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ABSTRACT

The data presented in this report represent all categories of direct Federal support to institutions of higher education in the United States. The data were provided by the 15 federal agencies that account for virtually all support for science and engineering (S&E) research and development (R&D) at universities, colleges, and nonprofit institutions. The data presented are collected annually through the National Science Foundation's Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, which originated in 1965. The survey collects information on: (1) total program support in thousands of dollars (encompassing both S&E and non-S&E activities) to academic institutions; (2) total S&E support to federally funded research and development centers (FFRDCs) administered by academic institutions; and (3) R&D and R&D plant support to nonprofit institutions and associated FFRDCs. (Data on FFRDCs have not been published in this report.) The report begins with general notes on the survey and a section of technical notes explaining the scope of the survey and the organization of the report and giving definitions of the terms used. The detailed statistical tables that follow the technical notes constitute the bulk of the report and cover trends and total obligations, geographic distribution, institutions ranked in order of amount received, historically black colleges, institutional listings by state, and systems of universities and colleges. (AA)

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A Report to the President and Congress

ED360158

Federal Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1990



Surveys of Science Resources Series

National Science Foundation

Detailed Statistical Tables

NSF 92-324

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A Report to the President and Congress

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Project Author: Richard Bennof



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LETTER OF TRANSMITTAL

Washington, D.C.

Dear Mr. President:

I have the honor to transmit to you the statistical report, *Federal Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1990*, in accordance with the National Science Foundation Act of 1950, as amended.

Respectfully,

Walter E. Massey
Director
National Science Foundation

The Honorable

The President of the United States

Identical letters have been sent to:

The President of the Senate

The Speaker of the House of Representatives

ERRATA

After the fiscal year 1990 data were final, the Department of Energy (DOE) notified NSF that research and development obligations from DOE to the Argonne National Laboratory for FY 1990 had been mistakenly reported as obligations to the University of Chicago. The amount of the error was \$15,588,000 (or \$15.6 million). The Argonne National Laboratory, a federally funded research and development center (FFRDC), is administered by the University of Chicago and the Argonne Universities Association. The obligations should have been reported as going to the FFRDC.

The data, published incorrectly in this report as obligations to the University of Chicago, will be correctly reported in the FY 1990 database prior to next year's publication.

In addition, research and development obligations to Western Research Institute, an independent nonprofit institution, were reported incorrectly from DOE for FY 1990. The research and development total from DOE to that nonprofit organization will be changed prior to next year's publication from \$21,455,000 (or \$21.5 million) to \$7,426,000 (or \$7.4 million).

FOREWORD

Institutions of higher education, the major source of the Nation's scientists and engineers, perform about one-half of the Nation's basic research. Therefore, the level, distribution, and characteristics of Federal academic support are of much interest to officials at Federal, State, and local levels and in nongovernmental sectors.

The National Science Foundation Act of 1950, as amended, requires that the Foundation "...initiate and maintain a program for the determination of the total amount of money for scientific and engineering research, including money allocated for the construction of the facilities wherein such research is conducted, received by each educational institution and appropriate nonprofit organization in the United States, by grant, contract, or other arrangement from agencies of the Federal Government, and to report annually thereon to the President and the Congress." To fulfill this requirement, the Foundation has utilized the data collection system originally designed by the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. The Foundation annually collects statistical data from the 15 Federal agencies that account for virtually all support for science and engineering (S&E) research and development at educational and nonprofit institutions.

Since its inception, this survey system has been the sole source of data on Federal funding to individual institutions for both S&E and non-S&E activities. These data provide information that enables users to examine patterns of support for individual institutions over time and to compare them with those of other institutions.

We are grateful for the continued cooperation of the responsible staff members in the participating agencies, and we appreciate their efforts to assist us in ensuring the quality of their data submissions.

Kenneth M. Brown
Director
Division of Science Resources Studies

July 1992

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GENERAL NOTES

The data presented in these tables represent all categories of direct Federal support to institutions of higher education in the United States. The data were provided by the 15 Federal agencies that funded virtually all science and engineering (S&E) research and development (R&D) at universities and colleges. In addition, data are reported on these agencies' obligations to nonprofit institutions. Data on field of S&E disciplines and on federally funded research and development centers (FFRDCs) were not published in this report but are available upon request.

Data limitations and relationship of this survey to the Survey of Federal Funds for Research and Development:

Data presented in this report on R&D and R&D plant by agency sometimes conflict significantly with such data presented in the annual NSF survey, Federal Funds for Research and Development, referred to hereafter as the Federal Funds Survey. The treatment of interagency transfers explains much of the difference in the totals. Interagency transfers of funds obligated to an academic or nonprofit institution are reported in the Federal Support Survey by the agency that actually obligates the funds to the receiving institution. In the Federal Funds Survey, however, obligations are reported by the initiating agency. Each of several agencies utilizes personnel from separate internal offices to respond to the two individual surveys, and each frequently collects data from different sources. Data for the Federal Support Survey, for example, are generally processed from award files, whereas Federal Funds data are usually derived from agency budget documents. Respondents from the separate internal offices that participate in the two surveys also frequently differ in their interpretation of the survey questions. The National Institutes of Health, for example, report their Biomedical Research Support Grants under "general support for science & engineering" in the Federal Support Survey but under "research and development" in the Federal Funds Survey. Regarding the structure of the surveys themselves, the data presented in this report differ in several ways from those presented in the report on the Federal Funds Survey:

1. The two surveys differ in number of agencies involved. In the Federal Support Survey, the 15 Federal agencies that obligate virtually all of Federal support to academic R&D collect data on all Federal obligations to institutions of higher education. For the Federal Funds Survey, data are gathered on budgets for R&D and R&D plant from all 33 Federal agencies that conduct such programs.
2. The scope of information gathered differs between the two surveys: data collected in the Federal Support Survey pertain to individual academic institutions, whereas those

collected in the Federal Funds Survey relate to all types of performers and to character of work (basic and applied research, and development).

The fiscal year (FY) 1990 data shown in this report were submitted by the following Federal agencies, listed by the acronyms and abbreviated references under which data are reported for them:

AID	- Agency for International Development
COM	- Department of Commerce
DOD	- Department of Defense
DOT	- Department of Transportation
ED	- Department of Education
EPA	- Environmental Protection Agency
DOE	- Department of Energy
HHS	- Department of Health and Human Services
ADAMHA	- Alcohol, Drug Abuse, and Mental Health Administration
CDC	- Centers for Disease Control
FDA	- Food and Drug Administration
HRSA	- Health Resources and Services Administration
NIH	- National Institutes of Health
HUD	- Department of Housing and Urban Development
INT	- Department of the Interior
LABOR	- Department of Labor
NASA	- National Aeronautics and Space Administration
NRC	- Nuclear Regulatory Commission
NSF	- National Science Foundation
USDA	- Department of Agriculture

The following abbreviated references are used throughout the report:

FFRDCs	- federally funded research and development centers (not published in this report)
FTTGs	- fellowships, traineeships, and training grants
FY	- fiscal year
n.e.c.	- not elsewhere classified
Non-S&E	- non-science & engineering
R&D	- research and development

- S&E - science & engineering
SRS - Division of Science Resources Studies, NSF, in which this report is produced

Obligations shown for universities and colleges do not include funds obligated to FFRDCs administered by academic institutions. FFRDCs are R&D-performing entities that are formed to meet a particular Federal R&D objective that cannot be met effectively by existing organizational resources. They range from the traditional contractor-owned/contractor-operated (COCO) or Government-owned/contractor-operated (GOCO) organizational structures to various degrees of contractor/Government control and ownership. Obligations to these organizations have not been published in this report (nor have data on nonprofit-administered FFRDCs), but data on FFRDCs are available upon request.

Totals presented here include tuition support programs such as Pell grants and Supplemental Educational Opportunity Grants (SEOGs). The data exclude programs involving loans to individuals, such as Federal guaranteed student loan programs sponsored by the Department of Education, and Federal employee training and development activities. Also excluded is financial support of an indirect nature, such as funds allocated to State agencies, even though the final recipient of such funds is known to be an academic institution.

Because of rounding, data shown in the text or tabulations may not add to the totals or subtotals. Reported obligations were rounded to the nearest thousand dollars.

Requests for additional information concerning survey results and for data tapes for the FY 1990 and prior survey years should be directed to Richard J. Bennof at the following address:

Division of Science Resources Studies
Room L-609
National Science Foundation
Washington, D.C. 20550
(202) 634-4673

Selected data items for individual graduate degree-granting institutions are available on computer-generated Institutional Profiles, which consist of data not only from this survey but also from NSF's other two academic S&E surveys: S&E expenditures at universities and colleges, and graduate enrollment and postdoctorates. Institutional Profiles for any institution or limited group of institutions may be ordered by contacting Richard J. Bennof.

SECTION A. TECHNICAL NOTES

Scope of Survey

Data presented in this report are collected annually through NSF's Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions. The survey originated in 1965, when the Committee on Academic Science and Engineering (CASE) within the Federal Council for Science and Technology (FCST) established the CASE data collection system. The objective was to report annually to the FCST on Federal obligations to academic institutions and associated federally funded research and development centers (FFRDCs). Since 1968, CASE data, as well as data on nonprofit institutions, have also served as the basis for an annual report to the President and Congress.

This survey is designed to collect information from Federal agencies on (1) total program support in thousands of dollars (encompassing both S&E and non-S&E activities) to academic institutions, (2) total S&E support to FFRDCs administered by academic institutions, and (3) R&D and R&D plant support to nonprofit institutions and associated FFRDCs. Data on FFRDCs have not been published in this report but are available upon request.

The FY 1990 data in this report were submitted to NSF's Division of Science Resources Studies (SRS) by 15 Federal agencies, covering the period October 1, 1989, through September 30, 1990. Data reported by AID, HUD, Labor, NRC, and DOT were combined, because of space constraints, to constitute the "other" category in tables that show funding by agency. In 1990, these five agencies accounted for 1 percent of all Federal academic support. In a few tables (B-8, B-11, B-13, B-14, B-17) that list R&D obligations by agency and by individual academic institution, DOD obligations are listed in two columns (one column for "research" and the other column for "development"). To accommodate the extra column, the "other" category in those tables includes data from the Department of the Interior in addition to the above five agencies. The 15 agencies in 1990 reported obligations to 2,417 universities and colleges, to 39 academic system offices, and to 895 independent nonprofit institutions.

In FY 1990, the Applied Physics Lab accounted for \$373 million (including \$5 million reported as research and \$248 million for development) of Johns Hopkins' \$378 million in total funding from DOD. During the FY 1987 survey cycle, DOD determined that some funds reported in prior years as R&D obligations to Johns Hopkins University were more appropriately classified as "other sciences & engineering." These funds were obligated to Johns Hopkins' Applied Physics Lab by the Department of the Navy, primarily for defense systems evaluations and improvements. Data for fiscal years 1986,

1985, and 1984 have been revised, but DOD was unable to make revisions to data prior to FY 1984. In addition, the FY 1984 R&D total for the Applied Physics Lab was revised downward.

As a result of trend editing of ED's data each year, a small number of academic institutions' dollar totals are distributed by type of activity (R&D, non-S&E, etc.) on a prorated basis by NSF because ED can evaluate the data only on a "total obligations" basis. During the FY 1987 survey cycle, ED determined that institution coding problems in earlier years caused its database to produce several large funding trend shifts at specific universities. Most of the large funding changes for academic institutions were from student financial-assistance programs (accounted for as non-S&E activities in this survey).

This report has been organized to focus on Federal S&E obligations to individual institutions in the B-series tables; data on non-S&E activities and total Federal obligations are presented in the C-series tables.

Data are shown for Federal obligations to institutions classified as historically black universities and colleges by type of activity, by agency, and by R&D obligations.

"R&D plant" in this report refers to large facilities and fixed equipment. Data on "research instrumentation" are not separately identifiable. "Research instrumentation" funds are for equipment purchased under research project awards from current-fund accounts and are included under totals for "research and development."

Some agencies not surveyed, such as the Department of Justice, may account for a significant proportion of the total receipts at some institutions, even though those receipts may constitute a small proportion of total academic R&D.

Obligations figures listed for individual institutions reflect direct Federal support so that amounts subcontracted to other institutions are included. Those funds received via subcontract arrangements from prime contractors are excluded.

Federal obligations to institutions are presented on the basis of the individual institutions that are components of the system, but obligations awarded directly to the central administration of a system are listed separately. If the final destination of the funds is not known, however, the agencies report the funds as obligations to a system's administrative office, or "central system," from which the funds are distributed to the system's individual institutions.

Other SRS Reports on Federal R&D Funding

In addition to the *Federal Funds for Research and Development* report SRS publishes two other reports related to Federal R&D funding:

National Patterns of R&D Resources includes information on R&D expenditures by different performers including industry, academia, and the Federal Government. The expenditures data in *National Patterns*, with the exception of Federal intramural R&D, are based on sample surveys of the performers of R&D. Respondents are asked to report how much they actually spent on R&D during the year and the source of those funds. Data in *National Patterns* are based on expenditures reported by performers; performers of R&D often expend Federal funds in a different year from the one in which the Federal Government provided authorization, obligations, or outlays. *National Patterns* data are based on a calendar year, but this report's data are based on the actual fiscal year. The two reports also differ in concepts and definitions.

The report on *Federal R&D Funding by Budget Function* is usually published annually and focuses exclusively on Federal funding of the R&D components of agency programs, by Federal budget function categories, as proposed by the Administration. The R&D data are classified under the same budget function categories as those used in the *Budget of the United States Government*. In the Fiscal Years (FYs) 1991-93 *Budget Function* report, proposed FY 1993 funding levels are given in budget authority, which is the basis for initial congressional action. Detailed data are included on actual Federal funding for R&D in FY 1991 and estimated Federal funding of R&D in FY 1992.

Definitions

Obligations are the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. Obligations differ from expenditures in that funds allocated by Federal agencies during one fiscal year may be spent by the recipient institution either partially or entirely during one or more subsequent years.

Type of Institution

Universities and colleges are those institutions of higher education in the United States that offer at least one year of college-level study leading toward a degree. A university or college comprises all parts of an academic institution, such as colleges of liberal arts, professional schools, hospitals, schools of agriculture, and agricultural experiment stations, including bureaus, offices, and research centers (excluding FFRDCs), whether located on or off the main campus, and branch campuses controlled directly by the parent institution. The universe of academic institutions that is the foundation of this survey is derived from the higher education institutions' portion of ED's Integrated Postsecondary Education Data System (IPEDS), sponsored by the National Center for Education Statistics (NCES), and the *1990 Higher Education Directory*, published by Higher Education Publications, Inc. Institutions included are those that received Federal support during FY 1990 and possessed a significant degree of academic and administrative autonomy. Institutions within a system (group of

institutions having a collective legal status and generally recognized by a State government, a board of education, or other relevant organization) in which a significant degree of autonomy remains at the individual institution level are presented separately; obligations to branch campuses are included in the totals for their parent institutions. The study excludes all obligations to the service academies and to the USDA Graduate School.

Independent nonprofit institutions are legal entities other than universities and colleges, are privately organized or chartered to serve the public interest, and are exempt from most forms of Federal taxation. Data presented for nonprofit institutions and for nonprofit-administered FFRDCs are obligations for R&D and R&D plant by the 15 participating agencies.

Coverage of the nonprofit section in the Federal Support survey was expanded beginning in the late 1970s to include all types of nonprofit institutions that receive Federal R&D funds. For NSF purposes, the types of institutions are defined as follows:*

1. **Research institute.** A separately incorporated, independent nonprofit organization operating under the direction of its own controlling body, the primary function of which is the performance of R&D in the sciences and engineering.

2. **Voluntary hospital.** A member of the American Hospital Association not subject to the control of either Federal, State, or local governments, nor an integral part of any institution of higher education. Hospitals that have been set up by research institutes and that, while providing patient care, function primarily as laboratories for the research institutes, are included in the "Research Institutes" category (#1).

3. **All other independent nonprofit institutions** include the following:

(a) **Professional or technical society, or academy of science and engineering.** A voluntary association of individuals sharing a common interest in the advancement of knowledge, either within a single field or across a broad spectrum of disciplines. The major function of these organizations is to aid and encourage the collection, collation, and dissemination of S&E knowledge for the benefit of their members and the community as a whole.

* National Science Foundation, *R&D Activities of Independent Nonprofit Institutions, 1973* (NSF 75-308) (Washington, D.C.: Supt. of Documents, U.S. Government Printing Office, 1975).

(b) **Private foundation.** A nongovernmental, nonprofit organization having a principal fund of its own, managed by its own trustees or directors, and established to maintain or to aid social, educational, charitable, religious, or other activities serving the common welfare. This organizational type includes operating foundations that allocate the greater proportion of their R&D budgets to intramural performance, and philanthropic foundations that allocate most of their funds to grants and contracts for research to be performed extramurally.

(c) **Science exhibitor.** A nonprofit organization in which the primary goal is to expand the scientific literacy within its community by providing exhibits that display and interpret the latest scientific findings within its field or fields. Included in this category are museums, zoological parks, botanical gardens, and arboretums.

(d) **Trade association.** An organization of business competitors, in a specific industry or business, that is interested primarily in the commercial promotion of products or services. Membership is usually held in the name of a business entity. Its activities may fall into one or more of the following: Business ethics, management practices, standardization, commercial (i.e., statistical) research, publication, promotion, and public relations.

(e) **Agricultural cooperative.** An organization of individuals or business entities that are normally competitors in the production and sale of agricultural products. Its activities may include one or more of the following areas: Collective marketing or purchasing, research, public relations, and the improvement of the economic condition of the farm population of the United States.

Category of Support

Academic science and engineering includes all obligations for the following activities: R&D; R&D plant; facilities and equipment for S&E instruction; fellowships, traineeships, and training grants; general support for science and engineering; and other S&E activities. These activities are defined as follows:

(a) **Research and development** includes all research activities, both basic and applied, and all development activities that are supported at universities and colleges. Demonstration projects conducted to discover whether a technology or method is workable are considered to be within the scope of R&D if their objective is to produce new information within a specific time period. "Research" is defined as systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research can be classified as basic or applied, although data reported here are not separated into these categories. In basic research, the investigation is oriented toward gaining a better knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind. In applied research, the investigation is aimed at gaining the knowledge or

understanding necessary for determining the means by which a recognized and specific need may be met. "Development" is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. Research and development excludes topographic mapping and surveys, collection of general-purpose statistics, and activities concerned primarily with the dissemination of scientific information. Also excluded are routine product testing, quality control, and R&D facilities and fixed equipment. "Research equipment" is included as part of R&D. It includes any item (or interrelated collection of items constituting a system) of nonexpendable tangible property or software having a useful life of more than two years and an acquisition cost of \$500 or more that is used wholly or in part for research. R&D in the arts and humanities is excluded from this category but is included in "non-science & engineering activities."

(b) **R&D plant** includes all costs--direct, indirect, and related--of all projects whose main objective is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in scientific or engineering R&D. A facility is interpreted broadly to be any physical resource important to the conduct of R&D. Excluded are expendable research equipment and office furniture and equipment.

(c) **Facilities and equipment for S&E instruction** includes all programs in which the main purpose is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in science and engineering.

(d) **Fellowships, traineeships, and training grants** include graduate programs in support of the development and maintenance of S&E personnel resources. The total amounts pertaining to such awards (stipends and cost-of-education allowances) are reported on the basis of the institution chosen by the recipient. Excluded are programs that support research and education institutes, seminars, and conferences such as teacher-training activities provided through teacher institutes, short courses, research participation, and inservice seminars; activities aimed at the development of education techniques and materials for use in S&E training; and programs that provide special opportunities for increasing the scientific knowledge and experience of precollege and undergraduate students. These activities are included in "other science & engineering activities," or if not S&E-oriented, in "non-science & engineering activities."

(e) **General support for science and engineering** includes programs that support nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole, and embody varying types of support--ranging from support provided without any specification of purpose other than that the funds be used for scientific projects, to projects in which funds are provided for activities within a specified field of science and

engineering without a specific purpose. NIH's Biomedical Sciences Support Grants and General Research Support Grants are examples of these types of programs.

(f) **Other S&E activities** include all academic S&E activities that cannot meaningfully be assigned to one of the preceding five categories. Types of activities included are obligations in support of technical conferences, teacher institutes, and activities aimed at increasing the scientific knowledge of precollege and undergraduate students.

(g) **Non-S&E activities** include all other obligations excluded from the six foregoing categories defined, but which represent direct funding (excluding loans) from a Federal agency to an academic institution for activities or purposes not specifically related to science and engineering. Included are all obligations for research, education, and facilities in the arts and humanities, as well as generalized projects for which the proportion utilized for S&E activities is unknown.

SECTION B. DETAILED STATISTICAL TABLES

To obtain accurate historical data, use only the latest detailed statistical tables (covering FY 1990) and not data published earlier. Data presented in trend tables are assembled from the most recently completed survey cycle. Data for prior years are reviewed for consistency with current-year responses and, when necessary, are revised in consultation with agencies and/or institutions. For that reason, references to prior-years data should be restricted to those published in this document.

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by type of activity: fiscal years 1963-90 1/

[Dollars in thousands]

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Fiscal year	Total obligations	Academic science and engineering							Non-science and engineering activities
		Total academic science & engineering	Research and development ^{2/}	R&D plant ^{2/}	Facilities for instruction in science & engineering	Fellowships, traineeships, & training grants	General support for science & engineering	Other science & engineering activities ^{2/}	
1963	1,413,015	1,328,511	829,524	105,896	3/	3/	3/	393,091	84,504
1964	1,624,963	1,526,604	975,597	100,837	3/	3/	3/	452,170	96,359
1965	2,305,455	1,816,171	1,094,963	126,196	3/	3/	3/	595,012	489,284
1966	3,009,950	2,163,504	1,252,146	114,767	3/	365,560	3/	431,031	846,446
1967	3,317,709	2,323,795	1,301,242	111,309	3/	447,236	3/	464,008	993,914
1968	3,386,637	2,349,817	1,398,305	96,148	3/	440,895	3/	414,469	1,036,820
1969	3,462,370	2,361,399	1,474,681	54,516	3/	436,270	3/	395,932	1,100,971
1970	3,236,612	2,187,579	1,446,618	44,778	3/	429,408	3/	266,775	1,049,033
1971	3,498,596	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369	1,155,467
1972	4,144,692	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592	1,545,581
1973	3,839,102	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788	1,374,740
1974	4,480,372	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691	1,743,388
1975	4,547,191	2,805,783	2,246,088	44,787	5,026	201,273	46,353	262,256	1,741,408
1976	5,402,764	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223	2,443,108
1977	6,489,735	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968	3,138,398
1978	7,471,843	3,959,832	3,385,770	34,328	4,906	205,925	74,398	254,505	3,512,011
1979 4/	7,603,908	4,472,659	3,873,514	32,068	6,743	204,866	92,483	262,985	3,131,249
1980	8,298,804	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211	3,507,832
1981 4/	8,640,925	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499	3,578,069
1982 4/	8,776,978	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387	3,597,368
1983 4/	9,344,618	5,680,631	5,024,330	37,547	2,522	189,616	94,847	331,769	3,663,987
1984	10,039,468	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057	3,731,454
1985	10,971,593	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549	3,713,731
1986	11,619,243	7,430,872	6,456,743	105,827	4,990	246,196	111,130	505,986	4,188,371
1987	13,433,783	8,565,441	7,241,001	229,875	13,722	290,942	236,933	552,968	4,868,342
1988	14,066,510	9,133,458	7,719,162	202,907	13,374	309,348	171,826	716,841	4,933,052
1989	15,502,301	10,071,567	8,522,555	237,010	16,911	340,458	197,745	756,888	5,430,734
1990 4/	15,204,563	10,461,699	9,031,047	124,841	19,241	409,871	142,532	734,167	4,742,864

1/ Note that some trend shifts are related to institutional reclassification. As of 1978, two laboratories that were formerly considered academically administered Federally Funded Research and Development Centers (FFRDCs) became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are thus included in the academic figures for 1978-90, but excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of fiscal year 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-90 do not.

2/ See Technical Notes, Scope of Survey.

3/ Not separately identified but included under "other science and engineering activities".

4/ For fiscal years (FYs) 1979 and 1981 through 1983, total and non-science and engineering obligations were estimated on the basis of revised data from the Department of Education. The decrease between FYs 1989 and 1990 in total obligations is largely attributable to a decline in the Department of Education's student financial assistance obligations (under "non-science and engineering activities"), which are funded on a multiyear basis and can fluctuate significantly from year to year.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-2. Federal academic science and engineering obligations to universities and colleges, by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

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Activity and year	Total	USDA	Com	DOD 2/	OED	Ed 2/	DOE 3/	EPA	HEW	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT	
Total academic science & engineering																		
1963	1,328.5	104.0	1.8	218.0	-	-	76.1	-	581.0	-	3.8	-	-	87.4	256.3	-	-	
1964	1,528.6	115.0	1.7	258.1	-	-	79.9	-	683.0	-	5.1	-	-	107.6	277.5	-	-	
1965	1,816.2	135.6	2.6	267.9	-	-	84.4	-	856.5	-	9.6	-	-	134.3	325.2	-	-	
1966	2,163.9	141.0	2.8	278.0	-	-	96.9	-	1,109.2	-	19.1	-	-	142.2	374.5	-	-	
1967	2,323.0	144.0	4.4	264.1	-	-	109.6	-	1,251.0	-	23.9	-	-	131.5	394.5	-	-	
1968	2,349.8	144.2	8.0	243.1	12.5	-	119.7	-	1,229.4	1.7	28.2	-	6.6	129.0	422.0	-	3.7	
1969	2,361.4	155.9	2.2	278.7	9.3	-	121.0	-	1,261.8	3.1	24.3	3.9	9.1	127.2	347.0	-	-	
1970	2,187.6	182.1	3.9	265.5	18.9	-	114.5	-	1,036.7	5	27.7	5.5	3.5	131.2	387.4	-	10.1	
1971	2,343.1	214.6	7.6	249.0	15.4	-	105.0	27.2	1,142.3	7	22.6	19.1	5.2	134.1	387.7	-	10.8	
1972	2,599.1	238.6	26.0	243.9	8.3	-	95.3	23.3	1,318.5	1.5	24.3	18.7	7.3	119.0	458.7	-	15.9	
1973	2,464.4	256.0	28.4	232.9	8.7	-	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	-	15.9	
1974	2,737.0	260.7	29.4	184.4	4.1	-	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	-	12.8	
1975	2,805.8	290.7	25.8	190.5	-	-	124.3	38.8	1,467.3	2.3	28.8	12.4	5.5	108.0	490.5	**	20.0	
1976	2,959.7	328.6	38.2	211.9	-	-	144.1	33.0	1,522.2	1.4	28.2	13.6	4.5	118.9	496.3	3.2	15.7	
1977	3,351.3	343.2	32.5	267.3	-	-	208.1	48.3	1,684.5	4.3	29.5	24.4	7.2	121.0	565.8	4.5	10.9	
1978	3,959.8	391.7	35.9	452.3	-	-	267.2	54.7	1,900.0	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5	
1979	4,472.7	422.5	47.3	528.7	-	-	273.9	64.7	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4	
1980	4,791.0	444.1	51.6	555.9	-	-	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	-	-	54.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.9	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	-	-	35.6	298.2	83.8	2,332.0	2.6	28.3	50.4	8.4	176.9	728.1	5.8	12.0
1983	5,680.6	546.0	51.0	940.2	-	-	34.9	320.0	80.3	2,602.2	1.5	32.0	43.4	6.4	203.0	798.0	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	-	-	43.6	348.4	51.9	2,934.1	2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	-	-	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	-	-	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.0	3.8	13.6
1987	8,565.6	674.7	88.8	1,278.5	-	-	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	6.3	309.0	1,069.5	3.9	13.4
1988	9,133.5	741.7	81.4	1,377.4	-	-	255.6	536.2	66.2	4,486.2	.1	41.6	48.5	8.0	363.7	1,102.1	3.6	21.4
1989	10,071.6	721.7	74.0	1,486.4	-	-	289.6	565.3	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	22.1
1990	10,461.7	762.0	110.4	1,342.2	-	-	240.9	571.7	93.6	5,214.5	.1	60.5	47.4	8.6	511.3	1,445.1	4.6	48.0
Research and development																		
1963	829.5	40.6	1.5	218.0	-	-	68.3	-	332.9	-	3.8	-	-	59.8	104.6	-	-	
1964	975.6	47.5	1.1	258.1	-	-	70.5	-	399.2	-	5.0	-	-	78.2	115.8	-	-	
1965	1,095.0	59.1	2.1	267.9	-	-	74.8	-	441.9	-	9.5	-	-	100.6	139.2	-	-	
1966	1,252.1	62.9	2.1	278.0	-	-	83.2	-	507.3	-	18.7	-	-	107.4	192.5	-	-	
1967	1,301.2	64.0	3.4	264.1	-	-	89.7	-	577.0	-	23.9	-	-	109.0	170.2	-	-	
1968	1,398.3	62.2	6.7	243.1	12.5	-	101.0	-	619.1	1.0	27.8	-	6.6	126.1	187.7	-	3.7	
1969	1,474.7	63.6	1.7	278.7	9.3	-	103.1	-	647.1	1.0	23.5	3.9	9.1	122.3	191.5	-	-	
1970	1,446.6	67.4	3.2	265.5	18.9	-	101.4	-	614.9	.9	27.1	5.5	3.5	127.4	201.2	-	10.1	
1971	1,551.4	74.8	6.9	249.0	16.4	-	95.9	17.0	695.7	.7	21.3	17.1	3.3	128.5	210.9	-	8.0	
1972	1,853.1	88.6	23.6	243.9	8.3	-	85.8	17.7	879.4	3.5	23.0	13.5	7.3	112.4	234.7	-	12.4	
1973	1,870.7	93.8	24.9	232.9	8.7	-	85.2	18.6	903.0	.9	22.2	8.4	5.0	102.6	348.5	-	15.2	
1974	2,085.2	96.7	26.8	184.4	3.4	-	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	-	11.5	
1975	2,246.1	110.5	22.2	190.5	-	-	119.2	33.8	1,205.2	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1	
1976	2,431.0	124.2	29.0	211.9	-	-	136.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9	
1977	2,803.0	142.2	32.2	267.3	-	-	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6	
1978	3,385.8	175.3	35.0	452.3	-	-	251.1	51.1	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4	
1979	3,873.5	193.8	45.9	528.7	-	-	256.4	60.9	1,964.5	4.0	35.3	28.0	11.1	137.2	587.8	6.5	11.4	
1980	4,160.5	211.0	50.4	555.9	-	-	48.0	279.6	76.9	2,051.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	-	-	58.1	281.0	84.2	2,112.0	3.0	30.2	31.3	12.9	173.9	616.8	7.0	27.0
1982	4,554.5	256.5	39.7	813.7	-	-	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.3	-	-	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.0	-	-	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.8	13.2
1985	6,246.2	300.4	79.7	908.9	-	-	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	-	-	72.2	348.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.0	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	-	-	82.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	78.8	1,194.2	-	-	68.6	407.6	64.1	4,128.3	.1	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,522.6	336.0	66.0	1,220.6	-	-	68.6	448.7	77.5	4,512.0	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
1990	9,031.0	349.1	97.3	1,196.9	-	-	71.3	512.4	87.1	4,774.5	.1	57.8	47.4	8.6	470.7	1,304.6	4.6	48.6

See explanatory material, if any, and SOURCE, at end of table.

Table 8-2. Federal academic science and engineering obligations to universities and colleges, by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

Page 2 of 3

Activity and year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HMD	Int	AID	Lebor	NASA	NSF	NRC	DOT
R&D plant 2/																	
1963	105.9	0.0	0.0	0.0	-	-	2.6	-	39.2	-	0.1	-	-	13.4	50.6	-	-
1964	100.0	0.0	0.0	0.0	-	-	4.0	-	39.9	-	0.0	-	-	9.1	47.0	-	-
1965	126.2	3.2	0.0	0.0	-	-	3.0	-	54.0	-	0.0	-	-	0.4	56.0	-	-
1966	114.0	2.0	0.0	0.0	-	-	7.4	-	48.5	-	0.2	-	-	7.4	49.3	-	-
1967	111.3	2.0	0.3	0.0	-	-	13.0	-	38.1	-	0.0	-	-	5.0	52.1	-	-
1968	96.1	1.9	0.2	0.0	0.0	-	11.9	-	36.9	0.0	0.0	-	0.0	0.0	45.3	-	0.0
1969	54.5	1.2	0.0	0.0	0.0	-	11.4	-	20.5	0.0	0.0	0.0	0.0	0.0	21.4	-	0.0
1970	44.8	1.1	0.0	0.0	0.0	-	7.1	-	20.0	0.0	0.0	0.0	0.0	0.0	14.5	-	0.0
1971	29.9	0.0	0.0	0.0	0.0	-	4.0	0.0	15.2	0.0	0.0	0.0	0.0	0.2	9.7	-	0.0
1972	36.9	0.0	0.0	0.0	0.0	-	4.1	0.0	22.2	0.0	0.0	0.0	0.0	0.6	10.0	-	0.0
1973	43.3	0.0	0.3	0.0	0.0	-	5.6	0.0	26.7	0.0	0.2	0.0	0.0	3.0	7.4	-	0.0
1974	29.0	0.0	0.0	0.0	0.0	-	4.2	0.0	14.5	0.0	0.0	0.0	0.0	0.1	10.2	-	0.0
1975	44.6	0.0	0.0	0.0	0.0	-	4.2	0.0	22.9	0.0	0.0	0.0	0.0	0.1	17.6	-	0.0
1976	23.9	0.0	1.0	0.0	0.0	-	5.6	0.0	11.4	0.0	0.0	0.0	0.0	0.1	5.9	-	0.0
1977	36.5	0.0	0.0	0.0	0.0	-	17.6	0.0	11.1	0.0	0.0	0.0	0.0	0.0	7.3	-	0.0
1978	34.3	0.0	0.0	0.0	0.0	-	13.4	0.0	9.9	0.0	0.0	0.0	0.0	0.0	11.0	-	0.0
1979	32.1	0.0	0.0	0.0	0.0	-	8.1	0.0	7.5	0.0	0.0	0.0	0.0	0.2	14.7	-	0.0
1980	37.0	0.0	0.0	0.0	0.0	-	20.6	0.0	4.4	0.0	0.0	0.0	0.0	0.2	12.6	-	0.0
1981	27.7	0.0	0.0	1.1	0.0	-	19.6	0.0	2.0	0.0	0.0	0.0	0.0	0.1	4.9	-	0.0
1982	31.2	0.0	0.0	0.5	0.0	-	18.0	1.4	5.4	0.0	0.0	0.0	0.0	0.2	4.9	-	0.0
1983	37.5	9.6	0.0	0.0	0.0	-	17.2	1.1	1.5	0.0	0.0	0.0	0.0	1.5	7.7	-	0.0
1984	49.8	9.6	0.0	0.0	0.0	-	29.5	1.1	7.7	0.0	0.0	0.0	0.0	0.3	9.7	-	0.0
1985	113.9	9.6	0.0	0.0	0.0	-	77.7	1.1	11.4	0.0	0.0	0.0	0.0	0.2	14.9	-	0.0
1986	105.0	9.1	1.2	0.0	0.0	-	73.0	0.0	4.2	0.0	0.0	0.0	0.0	0.4	16.0	-	0.0
1987	229.9	65.4	1.1	0.0	0.0	-	102.9	0.0	4.2	0.0	0.0	0.0	0.0	0.6	7.4	-	0.0
1988	202.9	68.0	0.0	0.0	0.0	-	127.7	0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.4	-	0.0
1989	237.0	31.1	1.2	57.9	0.0	-	115.5	0.0	22.0	0.0	0.0	0.0	0.0	1.2	6.7	-	0.0
1990	124.0	45.1	1.1	0.0	0.0	-	57.2	0.0	13.7	0.0	0.0	0.0	0.0	1.3	7.5	-	0.0
Facilities for instruction																	
1971 4/...	20.7	0.3	0.0	0.0	0.0	-	2.3	0.0	13.9	0.0	0.1	0.0	0.0	0.0	12.1	-	0.0
1972	26.3	0.5	0.0	0.0	0.0	-	1.9	0.0	20.9	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0
1973	13.4	0.0	0.0	0.0	0.0	-	2.3	0.0	9.4	0.0	0.1	0.0	0.0	0.0	1.6	-	0.0
1974	3.5	0.0	0.0	0.0	0.0	-	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	3.1	-	0.0
1975	5.0	0.0	0.1	0.0	0.0	-	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
1976	3.2	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0
1977	3.3	0.0	0.0	0.0	0.0	-	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	0.0
1978	4.9	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	0.0
1979	6.7	0.0	0.0	0.0	0.0	-	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	0.0
1980	3.8	0.0	0.0	0.0	0.0	-	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	0.0
1981	4.6	0.0	0.0	0.0	0.0	-	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	0.0
1982	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
1983	2.5	0.0	0.0	0.0	0.0	-	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
1984	1.9	0.0	1.6	0.3	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
1985	4.9	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	-	0.0
1986	5.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	-	0.0
1987	13.7	0.0	0.0	0.0	0.0	-	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	-	0.0
1988	13.4	0.0	2.5	0.0	0.0	-	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	10.5	-	0.0
1989	16.9	0.0	1.6	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	-	0.0
1990	19.2	0.0	4.5	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	-	0.0
Fellowships, traineeships, & travel grants																	
1964 4/...	365.6	-	0.0	-	-	-	3.2	-	289.9	-	0.0	-	-	25.0	47.5	-	-
1967	447.2	-	0.0	-	-	-	3.7	-	379.2	-	0.0	-	-	15.0	49.4	-	-
1968	440.9	-	0.0	-	0.0	-	3.6	-	387.0	-	0.0	-	0.0	0.9	49.4	-	0.0
1969	436.3	-	0.0	-	0.0	-	5.5	-	375.7	-	0.0	-	0.0	1.3	53.0	-	0.0
1970	429.4	-	0.0	-	0.0	-	5.0	-	369.6	-	0.0	-	0.0	2.1	52.7	-	0.0
1971	421.0	0.0	0.0	0.0	0.0	-	2.6	10.1	361.4	0.0	0.0	0.0	0.6	1.0	42.3	-	2.0
1972	387.9	0.0	0.4	0.0	0.0	-	2.0	5.6	346.6	0.0	0.0	0.0	0.0	1.1	29.8	-	3.5
1973	287.2	0.0	0.6	0.0	0.0	-	2.3	9.2	254.0	0.0	0.0	0.0	0.0	1.3	16.4	-	1.7
1974	326.6	0.0	0.0	0.0	0.7	-	5.6	6.0	301.5	0.0	0.0	0.0	0.0	1.2	14.4	-	1.3
1975	201.3	0.0	0.0	0.0	0.0	-	7.7	5.0	181.7	0.0	0.0	0.0	0.0	1.3	9.7	-	2.7
1976	174.9	0.0	0.0	0.0	0.0	-	1.1	3.6	155.6	0.0	0.0	0.0	0.0	1.3	13.4	-	0.8
1977	184.7	0.0	0.0	0.0	0.0	-	2.2	1.3	165.9	0.0	0.0	0.0	0.0	1.4	14.0	-	1.8
1978	205.9	0.0	0.0	0.0	0.0	-	7.7	3.6	184.2	0.0	3.2	0.0	0.0	1.3	11.7	-	0.6
1979	204.9	0.0	0.0	0.0	0.0	-	1.9	4.5	182.3	0.0	0.3	0.0	0.0	1.0	14.1	-	0.0
1980	210.1	0.0	0.0	0.0	0.0	-	0.0	4.5	187.6	0.0	1.4	0.0	0.0	2.0	13.0	-	0.0
1981	205.4	0.0	0.0	0.0	0.0	-	0.0	2.4	183.5	0.0	0.9	0.0	0.0	3.7	14.0	-	1.0
1982	176.6	0.0	0.0	0.0	0.0	-	0.0	3.3	151.9	0.0	0.0	0.0	0.0	4.2	17.5	-	0.4
1983	189.6	0.2	0.2	0.7	0.0	-	0.0	2.6	164.0	0.0	0.0	0.0	0.0	5.2	16.2	-	0.3
1984	194.9	0.2	0.1	0.0	0.0	-	0.0	1.8	164.6	0.0	0.0	0.0	0.0	5.3	21.8	-	0.4

See explanatory material, if any, and SOURCE, at end of table.

Table B-2. Federal academic science and engineering obligations to universities and colleges, by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

Page 3 of 3

Activity and year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DCE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Fellowships, traineeships, & travel grants																	
1963	253.1	7.0	0.1	0.0	-	0.0	0.4	2.1	210.9	0.0	0.0	0.0	0.0	5.6	25.8	0.0	0.4
1964	246.2	4.7	.0	.5	-	.0	.6	2.0	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2
1965	290.9	4.7	.6	2.3	-	11.8	.6	1.8	232.5	.0	.0	.0	.0	8.7	27.7	.0	.2
1966	309.3	4.6	2.6	1.5	-	13.5	.7	2.0	239.3	.0	.0	.0	**	15.8	29.2	.0	.0
1967	340.5	4.6	1.2	.1	-	22.9	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2
1968	409.9	7.0	.7	.1	-	28.4	1.6	3.5	304.9	.0	**	.0	.0	21.7	41.0	.0	.1
General support for science and engineering																	
1971 4/...	95.7	0.0	0.2	0.0	0.0	-	0.0	0.0	40.2	0.0	1.1	0.0	1.2	0.0	56.9	-	0.0
1972	83.3	.0	1.5	.0	.0	-	.0	.0	70.7	.0	1.2	9.2	.0	.0	34.7	-	.0
1973	39.0	.0	.0	.0	.0	-	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	-	.0
1974	87.0	.0	.5	.0	.0	-	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	-	.0
1975	46.4	.0	1.0	.0	-	-	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	-	-	.0	.0	41.0	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	-	-	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	.7	.0
1978	74.4	.0	.0	.0	-	-	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	.3
1979	92.5	4.7	.0	.0	-	-	**	1.3	52.0	.0	4.4	.0	.0	.0	29.4	.0	.0
1980	91.5	.0	.0	.0	-	0.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	-	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	-	.0	**	1.7	61.3	2.0	6.6	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	-	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	-	.0	.6	2.7	81.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	.0	1.8	-	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	-	.0	.0	.0	108.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	-	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	-	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	197.7	.0	.0	1.8	-	80.2	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
1990	142.5	.0	1.0	.0	-	28.7	.5	3.1	102.2	.0	2.7	.0	.0	.0	4.3	.0	.0
Other science & engineering activities																	
1963	393.1	63.4	.3	.0	-	-	5.3	-	208.9	-	**	-	-	14.1	101.1	-	-
1964	452.2	67.5	.6	.0	-	-	5.4	-	244.6	-	**	-	-	20.2	113.9	-	-
1965	595.0	73.3	.6	.0	-	-	5.9	-	359.8	-	**	-	-	25.4	130.1	-	-
1966	431.0	76.1	.7	.0	-	-	3.1	-	263.4	-	2	-	-	2.3	85.2	-	-
1967	464.0	78.8	.7	.0	-	-	2.5	-	256.7	-	**	-	-	2.4	122.8	-	-
1968	414.5	80.1	1.0	.0	-	-	2.5	-	186.4	.7	.4	-	.0	2.8	140.5	-	**
1969	395.9	91.1	.5	**	.0	-	1.0	-	198.4	.1	.9	.0	.0	3.7	100.2	-	-
1970	266.8	113.5	.7	**	.0	-	1.0	-	32.2	.0	.6	.0	.0	1.7	117.0	-	.0
1971	212.4	139.5	.5	.0	.0	-	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	-	.0
1972	211.6	149.5	.6	.0	.0	-	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	-	.0
1973	210.8	163.0	2.7	.0	.0	-	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	-	.0
1974	205.7	164.0	2.2	.0	.0	-	.1	.0	9.7	.0	.0	.0	.0	4.7	27.9	-	.0
1975	262.3	180.2	1.7	.0	-	-	.0	.0	15.3	.0	.0	.0	**	8.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	-	-	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	246.0	201.0	.3	.0	-	-	.3	.0	15.4	.0	.3	.0	.0	8.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	-	-	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	.2
1979	283.0	224.0	1.5	.0	-	-	3.0	.1	6.9	.0	.0	.0	.0	4.7	22.4	.4	.0
1980	287.2	232.3	1.2	.0	-	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	-	.0	7.9	**	5.3	.0	**	.0	.0	5.7	24.4	.4	**
1982	336.4	273.2	.8	38.2	-	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	-	.0	**	.5	2.8	.1	**	.0	.0	7.8	14.8	.0	.0
1984	300.1	324.7	8.2	122.8	-	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	**
1985	520.5	335.7	1.4	149.5	-	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	-	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	.0
1987	553.0	308.6	.6	171.4	-	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	.0
1988	716.8	347.9	.5	179.3	-	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	.1
1989	756.9	349.9	3.8	206.1	-	96.6	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	.0
1990	734.2	360.0	6.8	145.2	-	112.4	.0	.0	19.2	.0	.0	.0	.0	17.5	73.0	.0	.0

- Indicates not available.

** Indicates amount less than \$50,000.

1/ See footnote 1 at end of Table B-1.

2/ See Technical Notes, Scope of Survey.

3/ Data shown for fiscal years 1963-74 and fiscal years 1978-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

4/ Data collected before this year are not separately identified but are included under "other science and engineering activities".

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990.

Table B-3. Federal obligations to universities and colleges for research and development,
by geographic division and State: fiscal years 1983-90 1/

[Dollars in thousands]

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Geographic division and State	1983	1984	1985	1986	1987	1988	1989	1990
United States, total	5,024,330	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,522,555	9,031,047
New England, total	614,331	666,700	737,777	757,600	819,318	840,017	941,872	971,451
Connecticut	116,971	128,786	144,455	146,545	174,433	175,972	188,744	189,462
Maine	6,476	7,999	7,166	6,449	8,518	6,618	9,090	10,197
Massachusetts	424,213	453,875	496,981	508,166	536,955	545,068	629,070	635,891
New Hampshire	19,436	22,409	27,750	30,564	34,573	36,766	37,007	52,386
Rhode Island	33,879	35,219	42,131	43,646	40,731	47,349	49,525	51,828
Vermont	13,356	18,412	19,294	22,230	24,108	28,244	28,436	31,687
Middle Atlantic, total	863,889	941,878	1,108,296	1,131,083	1,268,422	1,352,552	1,449,048	1,527,908
New Jersey	61,998	71,331	83,023	86,000	97,785	104,853	120,932	139,264
New York	527,872	581,251	680,273	671,899	752,897	795,186	843,497	851,970
Pennsylvania	274,019	289,296	345,000	373,184	417,740	452,513	484,619	536,674
East North Central, total	682,781	747,405	862,892	873,904	982,023	1,018,935	1,139,209	1,215,092
Illinois	209,434	226,377	260,394	262,640	297,266	301,297	324,405	351,598
Indiana	77,043	87,369	101,734	100,144	111,184	111,779	131,315	138,349
Michigan	144,557	157,889	178,920	183,814	213,474	233,121	259,265	274,276
Ohio	138,882	148,999	171,831	179,050	199,011	210,593	238,131	252,157
Wisconsin	112,865	126,771	150,013	148,256	161,088	162,145	186,093	198,712
West North Central, total	267,621	309,033	359,097	360,139	410,069	428,857	472,065	519,970
Iowa	53,229	61,933	69,926	74,279	81,722	89,074	103,214	106,735
Kansas	24,765	25,846	31,198	33,239	35,863	37,228	39,105	44,005
Minnesota	74,279	85,132	104,471	102,293	121,588	123,621	133,439	141,748
Missouri	86,389	94,072	108,629	111,289	128,483	137,276	150,269	169,883
Nebraska	14,714	23,816	26,979	24,524	28,464	25,763	27,462	29,379
North Dakota	10,031	13,534	12,625	9,479	8,109	11,044	11,715	22,429
South Dakota	4,214	4,701	5,269	5,036	4,840	4,851	6,861	5,791
South Atlantic, total	884,624	866,760	1,005,463	1,066,480	1,217,674	1,385,893	1,479,550	1,579,151
Delaware	9,230	10,123	12,221	12,863	12,067	15,261	16,333	17,922
District of Columbia	54,379	46,096	56,320	49,955	61,057	72,668	71,761	78,658
Florida	90,328	91,555	113,479	121,231	148,757	185,626	196,397	181,474
Georgia	101,043	98,686	118,087	127,973	144,034	166,914	183,001	175,024
Maryland	377,480	346,321	375,086	415,943	460,057	522,341	514,747	589,856
North Carolina	141,393	155,208	184,060	194,999	228,096	246,688	287,838	305,255
South Carolina	23,900	24,424	33,188	32,726	33,516	35,595	38,927	42,705
Virginia	78,055	83,272	103,166	101,082	118,161	126,596	155,454	166,017
West Virginia	8,716	11,075	9,854	9,708	11,929	14,204	15,092	22,240
East South Central, total	158,205	165,738	205,350	219,146	270,537	290,579	312,589	337,887
Alabama	53,565	60,489	70,944	79,921	100,553	106,502	123,373	129,701
Kentucky	19,211	21,281	27,186	27,974	30,721	31,965	37,620	38,185
Mississippi	18,659	18,103	25,150	22,979	31,825	37,891	36,227	36,277
Tennessee	66,770	65,865	82,070	88,272	107,438	114,221	115,369	133,724
West South Central, total	318,708	356,507	420,655	434,494	485,424	517,088	590,849	598,177
Arkansas	10,411	11,935	15,323	14,527	15,487	15,599	19,643	23,586
Louisiana	36,213	40,098	51,373	47,715	59,619	61,456	100,418	69,265
Oklahoma	21,429	24,010	27,880	29,468	32,215	25,495	30,968	35,866
Texas	250,655	280,464	326,079	342,784	378,103	414,538	439,820	469,460
Mountain, total	276,696	328,684	345,949	366,578	392,342	412,334	480,246	533,129
Arizona	49,004	54,295	64,672	65,808	80,345	83,490	103,319	115,683
Colorado	83,570	97,761	104,640	108,473	129,826	145,900	147,301	168,905
Idaho	5,211	15,765	5,757	5,295	6,998	8,647	10,424	10,381
Montana	6,823	7,014	6,549	8,015	8,766	8,554	10,414	13,041
Nevada	7,875	7,299	10,189	10,895	14,955	13,856	16,188	23,111
New Mexico	53,631	65,427	60,630	79,466	55,058	56,163	74,134	69,397
Utah	59,164	65,774	76,557	81,627	86,950	86,648	108,117	122,880
Wyoming	11,418	15,349	16,955	6,998	9,444	9,076	10,349	9,731
Pacific, total	945,737	1,055,852	1,188,994	1,234,207	1,379,461	1,457,359	1,637,254	1,726,488
Alaska	8,196	10,611	12,214	14,645	15,373	15,928	15,111	25,060
California	724,147	793,609	908,141	953,989	1,057,440	1,109,851	1,258,964	1,317,370
Hawaii	25,860	24,691	33,656	29,196	39,410	39,651	47,913	48,276
Oregon	56,810	72,618	70,068	71,764	84,038	91,133	90,801	95,772
Washington	130,724	154,323	164,915	164,613	183,200	200,796	224,465	240,010
Outlying Areas, total	11,838	10,264	11,708	13,112	15,731	15,548	19,873	21,794
Guam	1,080	1,038	1,138	1,165	1,107	1,096	1,193	1,320
Puerto Rico	8,496	8,317	9,045	10,268	12,678	12,354	16,561	18,000
American Samoa	564	700	115	290	340	365	290	592
Virgin Islands	1,067	599	931	916	1,026	1,091	1,052	1,053
Trust Territory Pac Isl	611	90	479	473	580	642	777	829

1/ See Technical Notes, Scope of Survey on DOD funding.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-4. Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts: fiscal years 1983-90 1/

[Dollars in thousands]

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Rank	Institution (ranked by amount received in fiscal year 1990)	1983	1984	1985	1986	1987	1988	1989	1990
	Total, all institutions	5,024,330	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,522,555	9,031,047
1	Johns Hopkins University	318,374	280,530	297,374	331,317	374,656	431,593	411,879	470,935
2	Stanford University	140,090	160,274	174,961	180,186	201,049	210,572	239,847	247,992
3	Mass Inst of Technology	178,706	178,706	189,558	188,120	188,430	187,558	207,157	218,318
4	University of Washington	114,294	136,803	146,179	146,718	164,985	181,301	203,691	217,291
5	Univ of Cal Los Angeles	108,450	110,057	128,211	125,483	148,575	154,964	170,839	176,735
6	University of Michigan	81,248	95,307	108,035	111,232	134,933	148,446	167,865	176,620
7	Univ of Cal San Francisco	75,718	85,449	98,536	104,453	124,811	147,553	159,027	167,270
8	Univ of Cal San Diego	105,122	104,922	103,633	133,243	151,768	139,149	166,601	165,224
9	Univ of Wis-Madison	93,568	99,831	124,604	120,626	134,135	131,186	150,474	155,175
10	Columbia Univ Main Div	101,006	110,089	127,331	127,131	130,724	139,108	150,263	153,171
	Total 1st 10 institutions	1,316,576	1,361,968	1,498,422	1,568,509	1,754,066	1,871,430	2,027,643	2,148,731
11	Harvard University	89,457	98,972	109,414	110,356	123,301	125,242	141,760	148,055
12	Cornell University	93,644	105,338	119,966	112,707	128,750	134,493	139,954	144,749
13	Univ of Pennsylvania	83,251	94,154	103,119	103,584	109,531	120,029	132,805	142,509
14	Yale University	88,335	97,905	109,227	111,687	132,909	135,421	146,245	142,483
15	University of Minnesota	74,102	83,905	103,272	100,898	119,746	119,831	128,727	137,495
16	Pennsylvania State Univ	61,798	64,372	76,726	87,041	94,572	105,443	119,435	136,754
17	Univ of Cal Berkeley	75,293	85,852	106,710	96,834	96,748	106,844	131,070	123,983
18	Univ of Southern Cal	62,837	79,617	89,706	97,292	104,295	99,399	114,766	114,766
19	Washington University	55,754	61,341	71,978	72,750	89,055	95,368	102,974	117,907
20	University of Colorado	50,626	62,708	71,424	73,630	87,999	105,772	101,345	116,449
	Total 1st 20 institutions	2,051,673	2,196,132	2,459,964	2,535,288	2,840,972	3,019,272	3,286,724	3,481,849
21	Duke University	55,619	62,074	69,169	70,034	84,622	92,763	108,611	116,109
22	University of Pittsburgh	45,805	50,557	58,620	59,373	72,236	79,380	91,094	114,262
23	University of Chicago	62,318	68,703	71,194	71,535	82,769	84,668	90,611	104,074
24	University of Rochester	53,358	60,157	70,379	71,521	85,674	94,885	98,550	102,453
25	Univ of NC at Chapel Hill	47,228	48,491	63,105	70,526	81,473	84,918	95,025	100,183
26	Univ of Ill Urbana	66,055	68,911	83,122	88,986	96,769	95,748	100,062	99,742
27	Univ of Texas at Austin	56,300	62,316	72,379	74,028	76,495	84,400	84,619	93,401
28	University of Arizona	40,110	43,380	49,740	51,123	64,351	65,258	82,913	92,824
29	Ohio State University	45,543	48,339	56,065	58,078	64,624	62,946	72,702	80,401
30	University of Iowa	41,121	48,378	55,117	52,226	63,479	72,309	76,059	76,762
	Total 1st 30 institutions	2,565,130	2,757,438	3,108,854	3,202,718	3,613,464	3,836,547	4,186,970	4,462,060
31	New York University	51,975	55,028	74,577	68,372	75,966	79,516	77,761	75,749
32	Univ Alabama Birmingham	32,627	37,839	44,093	45,856	62,240	59,933	70,702	74,529
33	Baylor Col of Medicine	35,551	39,340	45,837	47,022	56,255	63,117	69,499	72,260
34	Case Western Reserve Univ	38,438	43,931	47,994	49,331	56,774	62,989	69,589	71,263
35	Vanderbilt University	31,996	35,338	39,909	43,990	54,653	58,389	63,978	70,585
36	California Inst of Tech	44,076	48,589	55,083	59,707	57,122	65,982	69,335	69,228
37	Univ of Cal Davis	35,729	37,586	43,156	43,618	50,289	55,239	60,100	68,952
38	Yeshiva University	51,279	53,077	56,988	58,518	65,028	67,096	68,553	67,045
39	University of Massachusetts	29,913	35,145	46,046	47,195	57,926	62,300	67,183	66,811
40	University of Utah	40,853	45,427	50,938	55,290	56,590	56,686	61,361	65,250
	Total 1st 40 institutions	2,957,567	3,188,738	3,613,475	3,721,617	4,206,307	4,467,794	4,865,031	5,163,732
41	Univ of MD College Park	35,514	38,260	51,073	53,906	48,728	54,580	60,252	64,723
42	University of Miami	28,936	27,880	33,709	37,618	49,547	58,241	60,135	63,707
43	Purdue University	37,346	41,892	51,544	46,827	46,227	45,907	62,751	63,167
44	Indiana University	30,559	35,123	39,118	41,879	50,005	52,664	55,449	61,435
45	Northwestern University	37,284	42,864	48,260	43,609	53,061	53,105	57,494	61,100
46	University of Virginia	27,984	30,279	37,415	39,136	44,831	46,045	51,990	60,796
47	Boston University	38,406	39,306	46,152	48,518	53,381	53,930	60,029	59,380
48	Michigan State University	41,935	41,205	46,945	48,740	48,797	50,891	54,382	56,619
49	University of Florida	35,549	40,847	47,716	48,911	52,888	55,748	58,696	56,063
50	Georgia Institute of Tech	45,835	38,460	51,585	46,557	45,157	55,486	60,949	54,271
	Total 1st 50 institutions	3,316,915	3,564,854	4,066,992	4,177,318	4,698,929	4,994,391	5,447,158	5,764,993

See explanatory material, if any, and SOURCE, at end of table.

Table B-4. Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts: fiscal years 1983-90 1/

[Dollars in thousands]

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Institution (ranked by amount received in fiscal year 1990) Rank	1983	1984	1985	1986	1987	1988	1989	1990
51 Univ of Cal Irvine	23,874	26,798	31,515	33,607	39,384	40,947	47,303	53,429
52 Utah State University	16,093	17,416	22,067	21,812	25,170	26,696	43,219	52,713
53 Woods Hole Oceanographic Inst	31,039	39,705	31,392	36,300	34,711	35,285	67,289	50,751
54 U Tex Sw Med Ctr - Dallas	27,787	32,949	37,432	40,330	45,994	46,645	48,591	50,504
55 Princeton University	26,782	28,783	34,720	42,674	44,286	45,365	47,037	50,474
56 Carnegie-Mellon Univ	36,345	27,650	48,872	59,854	69,454	74,577	57,605	50,025
57 Emory University	20,569	23,621	27,005	30,981	47,294	50,889	45,840	49,581
58 Texas A & M University	35,407	31,072	38,891	35,891	38,083	43,216	44,928	47,221
59 SUNY at Stony Brook	24,941	29,770	35,059	36,102	38,014	41,905	41,251	45,868
60 New Mexico State Univ	27,452	26,660	24,861	39,297	25,072	33,214	44,210	45,177
Total 1st 60 institutions	3,587,204	3,849,278	4,398,806	4,554,166	5,106,391	5,433,130	5,934,431	6,260,736
61 Univ of Tennessee All Cmp	22,786	24,805	34,763	27,496	34,673	36,199	35,653	44,759
62 Rutgers the St Univ of NJ	16,447	24,027	26,889	23,092	25,650	28,645	36,241	44,642
63 Oregon State University	31,030	37,499	33,801	37,097	40,059	40,988	42,562	44,542
64 CUNY Mount Sinai Schl Med	22,595	26,796	28,059	28,963	34,851	35,220	40,873	43,954
65 University of Connecticut	26,397	28,060	32,805	32,604	38,806	38,167	39,761	43,589
66 N C State Univ at Raleigh	20,604	22,639	27,387	27,482	30,195	31,743	43,466	43,466
67 Virginia Commonwealth Univ	19,856	21,684	28,896	26,598	31,477	32,413	42,678	42,678
68 Univ of Ill Chicago	23,303	23,324	30,145	31,970	36,434	39,779	43,271	42,293
69 Univ of Cal Santa Barbara	16,895	18,738	23,730	28,880	27,322	31,908	41,454	41,661
70 Univ of MD Balt Prof Sch	18,679	19,943	20,986	24,574	28,278	31,322	34,648	41,100
Total 1st 70 institutions	3,808,996	4,096,793	4,686,267	4,842,922	5,434,136	5,779,484	6,331,034	6,693,420
71 Louisiana State Univ	22,040	26,356	35,527	31,510	36,501	38,882	39,088	40,886
72 Colorado State University	25,022	25,002	24,767	27,303	31,492	32,164	36,120	40,820
73 Univ of Hawaii-Manoa	24,226	23,925	32,812	27,758	29,154	33,044	36,693	40,049
74 University of Georgia	22,538	23,186	23,800	32,267	33,489	37,190	45,627	39,767
75 Tufts University	24,604	27,995	34,495	37,242	36,241	35,341	38,566	39,142
76 University of Cincinnati	20,403	23,860	27,886	29,770	34,648	37,430	40,996	38,674
77 Univ of Mad & Dent of N J	11,870	14,349	16,746	15,223	22,239	25,647	32,369	38,066
78 SUNY at Buffalo All Cmps	17,175	19,270	23,051	22,668	27,255	29,884	33,934	36,291
79 Rockefeller University	25,245	29,484	35,285	33,940	37,051	37,317	35,586	35,423
80 Brown University	19,790	22,996	26,079	29,987	27,710	31,367	33,000	33,342
Total 1st 80 institutions	4,021,909	4,333,216	4,966,715	5,130,590	5,749,916	6,117,750	6,703,013	7,075,880
81 U Tex Hlth Sci Ctr S Anto	14,392	18,562	23,680	21,504	26,725	28,017	31,534	33,306
82 VA Polytech Inst & St U	20,602	21,214	24,590	23,363	23,588	27,265	34,595	32,239
83 Dartmouth College	10,568	13,383	16,380	19,306	21,489	24,095	24,065	31,409
84 Univ of VT & St Agric Col	13,309	18,249	19,180	21,967	23,922	27,914	28,157	31,402
85 U TX MD Anderson Cnccr Ctr	14,693	17,708	19,925	20,576	26,134	28,408	27,772	30,650
86 U Tex Hlth Sci Ctr Houstn	13,703	16,206	21,607	22,888	28,148	27,547	28,591	29,943
87 University of Kentucky	14,317	16,268	21,951	22,394	23,826	24,401	28,829	29,375
88 Wake Forest University	10,017	14,660	15,228	17,480	21,100	27,572	27,314	29,019
89 Iowa State University	11,908	13,384	18,954	21,207	17,379	15,955	25,987	28,915
90 Georgetown University	20,865	14,463	18,194	15,023	20,046	25,230	24,728	28,740
Total 1st 90 institutions	4,166,283	4,497,313	5,162,005	5,335,998	5,982,273	6,374,154	6,984,575	7,380,878
91 Wayne State University	15,304	14,282	16,598	15,015	19,603	24,680	26,945	27,689
92 Florida State University	14,107	12,504	19,894	21,418	25,570	24,845	28,021	27,531
93 University of Kansas	15,368	15,869	20,123	20,183	22,988	23,179	23,380	27,212
94 Temple University	16,100	17,281	18,954	17,477	21,361	22,557	22,929	26,098
95 Oregon Hlth Sciences Univ	10,270	9,947	12,073	14,064	17,884	20,670	23,231	25,344
96 Univ of Missouri Columbia	16,939	17,810	22,343	21,997	22,035	21,209	23,042	25,258
97 University of Dayton	18,175	17,938	19,460	22,612	19,944	20,639	21,576	23,852
98 George Washington Univ	17,791	15,122	15,776	16,359	23,640	33,431	22,730	23,387
99 Thomas Jefferson Univ	6,353	5,953	6,039	11,115	15,076	17,529	19,583	22,195
100 Tulane University	11,636	11,096	12,725	12,522	18,062	17,240	46,873	21,884
Total 1st 100 institutions	4,308,326	4,635,115	5,325,990	5,508,760	6,188,436	6,600,133	7,242,885	7,631,328

- 1/ Does not include R&D obligations to university-administered federally funded research and development centers (FFRDCs).
2/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-5. Federal academic science and engineering obligations to universities and colleges.
by geographic division, State, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	10,461,699	762,026	110,391	1,342,190	240,924	571,719	93,622	5,214,535	60,460	511,250	1,445,079	109,503
New England, total	1,079,315	40,471	16,338	125,315	16,068	90,785	8,691	550,209	2,987	42,939	177,053	8,459
Connecticut	211,620	4,234	3,905	8,511	3,448	10,532	368	160,935	104	1,198	18,244	141
Maine	14,524	5,689	2,210	228	1,116	77	1,082	711	728	250	2,388	45
Massachusetts	701,823	18,721	4,896	103,282	7,769	74,205	5,757	314,486	1,002	29,769	134,482	7,454
New Hampshire	86,562	3,676	2,617	2,712	565	1,281	853	29,187	256	9,301	6,114	0
Rhode Island	58,054	2,553	2,710	10,227	2,134	4,102	617	17,618	753	2,305	14,216	819
Vermont	36,732	5,598	0	355	1,036	588	14	27,272	144	116	1,609	0
Middle Atlantic, total	1,705,757	51,499	9,518	193,871	31,843	77,155	13,850	994,080	6,259	40,978	278,183	8,521
New Jersey	154,522	8,372	2,140	18,092	3,838	8,277	3,876	71,616	305	5,057	32,749	200
New York	962,700	22,749	6,598	56,379	16,272	49,032	6,013	603,984	2,281	21,453	175,423	2,516
Pennsylvania	588,535	20,378	780	119,400	11,733	19,846	3,961	318,480	3,673	14,468	70,011	5,805
East North Central, total	1,385,925	102,852	6,830	101,390	35,442	90,222	13,981	677,109	3,061	65,790	259,563	29,685
Illinois	405,497	20,672	1,737	34,940	13,926	37,646	2,246	181,652	764	12,109	95,818	3,987
Indiana	180,007	18,599	40	5,564	4,057	15,247	1,647	64,309	439	3,644	39,698	6,763
Michigan	312,445	26,975	1,704	16,654	6,958	13,091	2,744	170,390	712	14,506	53,212	5,499
Ohio	282,328	19,220	984	36,446	4,045	5,918	5,484	144,419	680	22,092	32,156	10,684
Wisconsin	225,648	17,386	2,365	7,786	6,456	18,320	1,860	116,339	466	13,439	38,679	2,552
West North Central, total	639,395	120,710	5,223	19,369	14,223	21,042	5,034	362,084	5,125	13,822	62,277	10,486
Iowa	130,525	27,275	3,313	3,126	1,825	1,383	722	73,541	599	4,936	12,012	1,793
Kansas	59,567	14,714	167	1,465	6,187	2,504	1,681	22,947	314	1,329	6,168	2,091
Minnesota	163,315	16,830	741	10,101	1,703	4,658	1,490	100,797	845	3,247	22,541	262
Missouri	197,687	21,077	171	3,266	2,963	3,267	243	146,680	2,176	3,198	14,579	67
Nebraska	41,717	15,754	312	829	953	322	72	15,895	221	678	3,860	2,857
North Dakota	34,992	17,292	519	552	313	8,908	826	1,534	450	62	1,134	3,402
South Dakota	11,592	7,668	0	30	279	0	0	726	520	372	1,983	14
South Atlantic, total	1,908,968	133,383	20,135	502,069	52,906	74,145	20,386	839,052	8,253	74,019	163,849	20,771
Delaware	21,401	4,202	1,345	2,020	1,386	1,000	275	4,787	223	1,096	5,067	0
District of Columbia	92,498	2,049	374	7,835	13,917	1,436	729	50,031	112	5,206	9,690	1,119
Florida	208,862	19,040	4,591	19,495	7,011	17,860	2,671	95,770	1,345	9,541	29,180	2,358
Georgia	200,025	23,586	1,540	42,688	1,851	16,905	2,269	81,573	589	5,946	20,119	2,959
Maryland	745,455	11,760	4,280	393,327	10,222	10,949	1,967	252,928	414	23,718	32,946	2,944
North Carolina	353,878	28,350	890	18,354	9,194	7,459	7,249	234,170	651	7,831	35,355	4,375
South Carolina	59,244	15,258	3,431	3,435	1,074	1,526	1,241	24,328	280	1,007	7,627	37
Virginia	195,543	18,842	3,479	14,704	7,316	11,732	2,042	88,418	2,105	18,292	22,497	6,116
West Virginia	32,062	10,296	205	211	935	5,278	1,943	7,047	2,534	1,382	1,368	863
East South Central, total	439,378	93,487	6,348	22,210	12,182	25,247	1,892	211,131	4,538	32,284	28,041	2,018
Alabama	154,717	21,669	190	12,926	3,026	2,786	433	79,821	830	24,250	7,408	1,378
Kentucky	58,136	20,944	4,460	554	536	3,270	336	20,824	653	1,048	5,424	87
Mississippi	62,393	30,607	1,664	1,927	3,279	5,153	32	10,778	2,039	1,660	4,976	278
Tennessee	164,132	20,267	34	6,803	5,341	14,038	1,091	99,708	1,016	5,326	10,233	275
West South Central, total	730,016	90,618	9,540	80,071	17,436	47,714	7,967	352,008	3,308	35,154	71,378	14,822
Arkansas	36,237	16,707	250	729	3,386	1,125	186	8,595	171	204	1,926	2,958
Louisiana	94,798	14,891	3,021	2,676	1,717	12,162	2,707	45,604	1,341	1,225	6,819	2,635
Oklahoma	52,318	14,676	950	4,463	2,654	6,522	700	12,627	386	2,940	6,108	292
Texas	546,663	44,344	5,319	72,203	9,679	27,905	4,374	285,182	1,410	30,785	56,525	8,937
Mountain, total	597,495	44,866	12,045	93,563	19,630	30,500	12,345	214,320	9,474	60,665	97,040	3,047
Arizona	128,716	5,991	210	11,320	4,995	3,821	625	52,099	1,153	20,987	26,304	1,211
Colorado	186,245	9,784	10,352	13,929	3,536	7,237	2,125	88,201	1,352	16,679	32,166	884
Idaho	15,080	6,496	30	380	1,561	101	321	1,018	1,449	1,726	1,428	570
Montana	19,224	2,606	0	239	2,134	51	1,073	3,253	689	447	5,311	21
Nevada	24,782	2,609	1,453	154	0	3,488	6,818	3,680	1,775	291	4,365	89
New Mexico	76,436	5,084	0	18,122	645	9,999	264	14,565	337	18,204	9,205	11
Utah	135,140	5,371	0	48,377	6,501	5,479	1,049	50,456	2,157	2,072	13,678	0
Wyoming	11,872	3,465	0	1,042	258	324	70	1,048	562	259	4,583	261
Pacific, total	1,933,979	66,135	23,735	203,770	38,266	114,882	9,473	1,000,382	17,143	145,315	303,184	11,694
Alaska	26,976	2,551	3,961	270	399	1,092	100	526	547	7,682	9,848	0
California	1,448,281	25,953	5,489	161,810	23,109	87,158	6,085	773,713	10,932	120,759	226,613	6,660
Hawaii	55,990	7,664	6,556	4,111	821	1,979	0	11,656	764	6,930	12,946	2,563
Oregon	124,384	14,094	2,539	8,532	6,666	14,321	1,452	50,701	3,389	2,361	19,434	895
Washington	278,348	15,873	5,190	29,047	7,271	10,332	1,836	163,786	1,511	7,583	34,343	1,576
Outlying Areas, total	41,471	18,005	679	562	2,928	27	3	14,160	312	284	4,511	0
Guam	3,091	1,783	58	0	781	0	0	308	104	0	57	0
Puerto Rico	33,264	11,622	621	562	2,022	27	3	13,622	104	284	4,397	0
American Samoa	1,223	1,073	0	0	125	0	0	0	0	0	25	0
Virgin Islands	2,058	1,692	0	0	0	0	0	230	104	0	32	0
Trust Territory Pac Isl	1,835	1,835	0	0	0	0	0	0	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-6. Federal obligations for fellowships, traineeships, and training grants to universities and colleges, by geographic division, State, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	409,871	7,832	673	100	28,444	1,613	3,466	304,940	9	21,696	40,983	115
New England, total	52,301	0	470	0	2,047	42	67	40,497	0	1,084	8,094	0
Connecticut	13,714	0	470	0	764	28	2	11,535	0	22	893	0
Maine	234	0	0	0	123	0	0	92	0	0	19	0
Massachusetts	34,530	0	0	0	1,056	14	42	25,713	0	846	6,859	0
New Hampshire	1,378	0	0	0	84	0	9	1,122	0	106	57	0
Rhode Island	1,392	0	0	0	6	0	0	1,010	0	110	266	0
Vermont	1,053	0	0	0	14	0	14	1,025	0	0	0	0
Middle Atlantic, total	68,892	417	0	0	6,522	182	497	53,388	0	1,710	6,061	115
New Jersey	6,121	0	0	0	1,391	28	320	2,785	0	77	1,520	0
New York	39,266	96	0	0	3,174	70	126	32,132	0	913	2,755	0
Pennsylvania	23,505	321	0	0	1,957	84	51	18,471	0	720	1,786	115
East North Central, total	57,369	669	0	0	6,499	69	687	40,543	0	2,727	6,175	0
Illinois	18,531	171	0	0	2,613	14	69	12,971	0	318	2,375	0
Indiana	4,691	164	0	0	945	0	35	2,935	0	137	475	0
Michigan	15,687	142	0	0	1,566	0	386	11,318	0	622	1,653	0
Ohio	9,361	0	0	0	226	41	194	6,679	0	1,632	589	0
Wisconsin	9,099	192	0	0	1,149	14	3	6,640	0	18	1,083	0
West North Central, total	26,724	1,017	0	0	1,504	89	295	22,228	0	698	893	0
Iowa	4,711	0	0	0	252	0	87	3,783	0	361	228	0
Kansas	1,393	167	0	0	162	0	0	895	0	169	0	0
Minnesota	7,112	144	0	0	192	0	187	6,124	0	66	399	0
Missouri	12,211	468	0	0	816	0	6	10,610	0	102	209	0
Nebraska	616	238	0	0	1	0	15	305	0	0	57	0
North Dakota	554	0	0	0	36	89	0	429	0	0	0	0
South Dakota	127	0	0	0	45	0	0	82	0	0	0	0
South Atlantic, total	60,556	2,413	46	100	2,297	489	715	45,620	5	5,945	2,926	0
Delaware	569	147	0	0	80	0	9	194	0	44	95	0
District of Columbia	2,585	101	28	0	401	82	143	1,280	0	493	57	0
Florida	7,372	591	0	99	229	69	165	4,323	1	1,553	342	0
Georgia	5,386	395	0	1	275	98	3	2,713	1	1,330	570	0
Maryland	16,591	275	18	0	265	0	26	14,665	0	696	646	0
North Carolina	16,895	243	0	0	713	95	201	14,782	3	79	779	0
South Carolina	1,340	270	0	0	0	58	123	747	0	66	76	0
Virginia	8,652	391	0	0	318	87	36	5,797	0	1,662	361	0
West Virginia	1,166	0	0	0	16	0	9	1,119	0	22	0	0
East South Central, total	17,902	1,643	0	0	655	44	554	12,803	0	1,918	285	0
Alabama	7,126	422	0	0	296	14	290	4,740	0	1,307	57	0
Kentucky	951	275	0	0	62	0	4	572	0	0	38	0
Mississippi	2,223	749	0	0	250	30	32	852	0	253	57	0
Tennessee	7,602	197	0	0	47	0	228	6,639	0	358	133	0
West South Central, total	19,296	1,054	0	0	1,458	498	191	13,412	1	1,618	1,064	0
Arkansas	611	448	0	0	0	0	6	146	0	11	0	0
Louisiana	1,660	101	0	0	134	114	92	1,140	0	22	57	0
Oklahoma	1,611	197	0	0	487	62	0	746	0	62	57	0
Texas	15,414	308	0	0	837	322	93	11,380	1	1,523	950	0
Mountain, total	15,299	224	0	0	1,003	42	326	10,199	3	2,438	1,064	0
Arizona	3,664	0	0	0	458	14	0	2,100	0	674	418	0
Colorado	6,507	142	0	0	210	0	294	4,855	0	702	304	0
Idaho	4	0	0	0	0	0	0	4	0	0	0	0
Montana	269	0	0	0	56	0	0	178	0	18	19	0
Nevada	133	0	0	0	0	0	21	91	0	21	0	0
New Mexico	1,679	0	0	0	49	14	0	851	3	648	114	0
Utah	2,997	82	0	0	232	14	11	2,112	0	375	171	0
Wyoming	46	0	0	0	0	0	0	8	0	0	38	0
Pacific, total	90,329	395	157	0	6,279	158	131	65,314	0	3,474	14,421	0
Alaska	40	0	0	0	0	0	0	7	0	22	19	0
California	72,572	231	150	0	5,251	89	75	50,771	0	2,629	13,376	0
Hawaii	997	46	0	0	0	41	0	585	0	268	57	0
Oregon	2,611	118	0	0	131	14	0	2,143	0	110	95	0
Washington	14,101	0	7	0	897	14	56	11,808	0	445	874	0
Outlying Areas, total	1,203	0	0	0	180	0	3	936	0	84	0	0
Puerto Rico	1,203	0	0	0	180	0	3	936	0	84	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table 8-7. Federal obligations for academic science and engineering to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all institutions		10,461,699	762,026	110,391	1,342,190	240,924	571,719	93,622	5,214,535	60,460	511,250	1,445,079	109,503
1	Johns Hopkins University	609,637	154	295	378,231	5,837	2,325	353	205,641	0	4,920	9,733	2,148
2	Stanford University	273,508	0	30	37,561	2,826	23,028	2,298	125,262	267	49,184	33,052	0
3	University of Washington	243,774	2,404	5,118	27,464	4,130	8,237	1,283	156,846	1,290	7,126	28,459	1,417
4	Mass Inst of Technology	242,375	0	2,791	49,509	680	59,693	539	58,633	341	21,415	45,721	3,053
5	University of Michigan	194,032	1,100	1,588	11,853	2,254	8,736	2,157	126,323	166	10,428	27,045	2,374
6	Univ of Cal Los Angeles	188,411	189	76	9,436	1,923	18,075	81	130,501	0	7,300	20,311	519
7	Cornell University	185,353	21,709	282	13,850	1,438	4,445	1,293	69,643	445	5,854	65,186	1,208
8	Univ of Cal San Francisco	180,398	0	0	2,110	0	3,622	160	171,364	0	953	2,189	0
9	Univ of Wis-Madison	177,092	17,038	146	4,990	237	16,376	1,255	91,347	227	12,604	32,798	74
10	Univ of Cal San Diego	175,266	325	564	21,844	407	4,213	138	104,559	652	12,736	29,460	368
Total 1st 10 institutions		2,469,846	42,927	10,890	556,848	19,732	148,750	9,557	1,240,119	3,388	132,520	293,954	11,161
11	Columbia Univ Main Div	167,167	5	736	10,075	1,086	7,047	480	107,843	1,487	5,498	32,610	100
12	Harvard University	166,225	0	65	7,021	776	5,546	953	122,833	225	3,885	22,302	2,619
13	Yale University	158,034	279	30	6,276	594	9,647	182	128,741	0	905	11,380	0
14	Univ of Pennsylvania	157,374	303	81	11,008	2,206	6,808	6	121,016	0	496	14,937	511
15	University of Minnesota	157,207	16,898	741	10,101	647	4,658	1,490	99,023	516	3,202	19,669	262
16	Pennsylvania State Univ	156,037	19,693	360	67,816	1,207	3,909	480	32,562	3,180	8,049	15,870	2,911
17	Univ of Cal Berkeley	142,197	9,150	0	10,529	9,849	4,371	514	44,743	603	19,410	39,673	3,355
18	Univ of Southern Cal	129,396	0	684	38,184	1,416	1,428	727	70,772	161	5,454	10,465	105
19	Washington University	129,031	399	0	2,122	752	1,732	100	115,661	0	2,742	5,523	0
20	Duke University	125,861	505	167	5,248	192	4,362	1,558	101,674	0	787	11,368	0
Total 1st 20 institutions		3,958,375	90,159	13,754	725,228	38,457	198,258	16,047	2,184,987	9,560	182,948	477,951	21,026
21	University of Colorado	125,871	178	8,060	6,705	1,450	4,277	1,132	69,700	96	12,851	20,839	283
22	University of Pittsburgh	121,254	52	63	11,370	3,931	2,626	2,475	89,431	0	1,998	9,264	44
23	Univ of Ill Urbana	120,898	19,653	0	14,988	190	12,623	810	18,536	310	4,003	48,814	971
24	University of Chicago	116,636	0	193	2,370	1,501	19,662	0	68,725	5	6,153	18,027	0
25	Univ of NC at Chapel Hill	114,020	115	52	2,866	5,708	818	3,606	90,892	48	528	9,387	0
26	University of Rochester	110,524	117	0	6,736	468	17,222	0	75,516	0	213	10,252	0
27	Univ of Texas at Austin	109,231	142	66	51,802	1,188	15,584	653	14,538	220	6,921	15,004	3,111
28	University of Arizona	102,069	5,755	190	8,058	2,352	2,452	409	46,487	695	18,778	15,994	899
29	Ohio State University	94,206	18,889	909	4,549	111	4,193	1,467	35,041	680	4,608	15,098	8,661
30	University of Iowa	82,704	70	81	2,236	1,122	558	392	68,627	0	4,151	5,466	1
Total 1st 30 institutions		5,055,488	135,130	23,368	836,908	56,478	278,273	26,991	2,762,420	11,614	243,152	646,096	34,998
31	New York University	80,795	0	0	4,499	955	3,933	958	62,659	0	444	7,347	0
32	Vanderbilt University	79,812	0	0	3,336	3,128	1,814	0	65,835	0	2,703	2,966	30
33	Univ Alabama Birmingham	78,952	275	0	5,106	97	0	0	68,008	0	3,074	2,392	0
34	California Inst of Tech	77,647	0	90	10,872	0	9,376	314	17,117	1,501	9,646	28,731	0
35	Case Western Reserve Univ	77,215	0	0	3,687	571	421	347	58,876	0	7,515	5,798	0
36	Purdue University	76,761	18,588	0	3,943	837	7,267	278	19,950	376	2,315	16,814	6,393
37	Univ of MD College Park	76,607	8,027	3,985	9,527	3,650	8,072	1,023	5,343	359	17,811	18,233	577
38	Baylor Col of Medicine	76,110	7,962	0	6,887	955	384	0	65,339	0	745	38	0
39	Michigan State University	73,686	25,533	116	1,958	2,625	3,827	405	16,080	74	634	19,688	2,746
40	University of Massachuset	73,482	6,597	40	9,050	1,273	2,273	445	39,242	242	1,830	12,460	30
Total 1st 40 institutions		5,826,555	202,112	27,599	889,573	70,569	315,640	30,761	3,180,929	14,166	289,869	760,563	44,774
41	Yeshiva University	72,509	0	0	234	269	0	0	71,556	0	0	450	0
42	Univ of Cal Davis	72,093	4,057	0	1,568	721	10,292	511	41,401	664	1,451	9,963	1,465
43	Texas A & M University	69,374	30,413	4,283	3,102	243	5,339	226	8,419	285	3,356	13,515	193
44	University of Utah	69,261	161	0	4,591	1,014	4,515	390	47,578	1,599	697	8,716	0
45	University of Florida	69,207	15,857	107	6,047	1,354	3,039	813	28,985	669	2,703	8,256	1,377
46	Northwestern University	68,236	50	15	6,761	2,005	3,916	0	39,991	91	1,183	14,224	0
47	Indiana University	68,002	0	0	510	2,954	3,839	753	40,928	0	937	17,711	370
48	University of Miami	67,130	0	2,132	4,065	1,314	435	0	48,609	40	1,843	8,688	0
49	University of Virginia	66,690	1	2,139	4,964	2,230	2,902	575	38,988	225	5,009	9,200	457
50	Boston University	65,233	0	100	6,394	2,267	3,017	111	45,192	0	1,010	7,142	0
Total 1st 50 institutions		6,514,290	252,651	36,375	927,809	84,940	352,938	34,140	3,592,576	17,739	308,058	858,428	48,636

See explanatory material, if any, and SOURCE, at end of table.

Table B-7. Federal obligations for academic science and engineering to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Utah State University	60,376	5,103	0	43,532	5,087	123	516	1,979	558	1,375	2,103	0
52	Louisiana State Univ	59,592	10,818	2,996	1,692	573	11,569	2,536	23,348	413	710	4,886	51
53	N C State Univ at Raleigh	58,497	22,684	353	7,761	1,065	1,846	1,775	5,504	595	3,996	10,007	2,911
54	Univ of Tennessee All Cmp	58,126	15,761	0	1,163	1,213	11,683	493	21,917	206	1,637	4,053	0
55	Univ of Cal Irvine	57,166	0	0	9,321	1,181	4,198	190	31,187	0	1,481	9,608	0
56	Georgia Institute of Tech	56,303	241	297	38,546	0	1,227	819	2,912	273	3,932	7,544	510
57	Princeton University	55,366	0	1,192	8,849	881	6,230	708	15,041	116	4,089	18,260	0
58	U Tex Sw Med Ctr - Dallas	54,637	0	0	125	0	0	0	52,922	0	1,208	382	0
59	University of Georgia	53,817	19,702	0	985	830	10,798	1,160	11,176	272	412	7,250	8
60	Woods Hole Oceanographic Inst	53,690	0	1,623	21,259	0	601	301	261	0	429	29,216	0
Total 1st 60 institutions		7,081,860	326,960	44,060	1,061,042	95,770	401,213	42,638	3,758,823	20,172	327,327	951,739	52,116
61	Rutgers the St Univ of NJ	52,533	8,253	303	7,467	1,862	1,227	230	20,291	108	615	12,040	137
62	Carnegie-Mellon Univ	52,344	125	0	22,451	282	4,062	0	6,612	308	2,822	15,452	230
63	Emory University	51,169	0	0	799	217	82	0	47,602	0	297	2,172	0
64	SUNY at Stony Brook	50,890	0	0	325	171	6,404	0	28,107	52	1,967	13,864	0
65	Oregon State University	50,845	13,575	2,509	6,374	245	1,150	1,249	8,662	2,574	2,058	11,730	719
66	University of Connecticut	49,185	3,955	3,875	2,235	2,243	797	129	30,793	104	293	4,620	141
67	New Mexico State Univ	49,161	5,081	0	16,223	265	6,135	84	1,022	168	16,683	3,500	0
68	Colorado State University	47,211	9,525	2,292	3,657	1,110	1,780	845	16,389	887	2,312	7,814	600
69	Univ of Hawaii-Manoa	46,434	7,482	0	3,266	0	1,670	0	11,189	660	6,930	12,721	2,516
70	CUNY Mount Sinai Schl Med	46,208	0	0	0	291	101	86	45,363	0	216	151	0
Total 1st 70 institutions		7,577,840	374,956	53,039	1,123,839	102,456	424,621	45,261	3,974,853	25,033	361,520	1,035,803	56,459
71	Univ of Ill Chicago	45,988	9	0	3,055	2,120	551	370	32,660	0	419	5,329	1,475
72	University of Kentucky	45,769	16,362	4,460	451	204	3,106	152	15,596	653	639	4,059	87
73	Iowa State University	45,647	27,202	3,232	890	263	825	243	4,433	599	785	5,383	1,792
74	Virginia Commonwealth Univ	45,376	0	0	924	1,259	242	152	41,821	0	411	567	0
75	Univ of Cal Santa Barbara	45,373	281	57	14,273	859	3,144	421	4,494	1,026	2,444	17,595	779
76	VA Polytech Inst & St U	44,248	14,954	137	5,152	270	6,792	1,068	2,627	1,875	4,129	6,473	771
77	University of Cincinnati	43,746	0	0	2,476	347	295	2,643	32,588	0	2,257	2,830	310
78	Univ of MD Balt Prof Sch	42,798	0	0	2,244	72	226	464	38,957	0	100	735	0
79	SUNY at Buffalo All Cmps	42,708	0	0	2,097	0	694	52	28,475	0	1,213	10,177	0
80	Oregon Hlth Sciences Univ	42,403	0	0	655	127	9,060	0	31,406	0	0	355	0
Total 1st 80 institutions		8,021,896	433,764	60,925	1,156,056	107,977	450,356	50,826	4,207,910	29,186	373,917	1,089,306	61,673
81	Tufts University	41,174	11,303	0	381	209	1,017	3,241	23,397	31	30	1,565	0
82	Univ of Med & Dent of N J	39,183	94	0	966	0	286	974	36,066	0	254	543	0
83	Univ of Missouri Columbia	37,393	16,708	0	274	0	641	143	15,126	166	154	4,180	1
84	Rockefeller University	37,279	0	0	146	0	1,255	15	35,101	0	0	762	0
85	Brown University	37,107	0	77	7,051	1,117	4,062	0	14,244	296	1,332	8,928	0
86	U Tex Hlth Sci Ctr S Anto	36,283	0	0	860	0	0	0	34,610	0	0	813	0
87	Univ of VT & St Agric Col	35,305	5,598	0	301	0	588	0	27,272	144	15	1,387	0
88	Dartmouth College	32,994	230	0	2,121	167	576	0	27,032	0	916	1,952	0
89	University of Kansas	32,713	0	167	768	5,863	441	53	21,053	184	1,195	2,988	1
90	Georgetown University	32,158	355	13	2,414	2,294	295	375	24,295	0	0	1,197	920
Total 1st 90 institutions		8,383,485	468,052	61,182	1,171,338	117,627	459,517	55,627	4,466,106	30,007	377,813	1,113,621	62,595
91	U TX MD Anderson Cntr Ctr	31,805	0	0	0	0	18	146	31,477	0	0	164	0
92	U Tex Hlth Sci Ctr Houstn	31,609	80	0	60	0	0	0	30,445	0	674	350	0
93	Wake Forest University	30,195	0	248	209	0	168	0	28,554	0	312	704	0
94	Wayne State University	29,612	0	0	986	0	300	3	25,360	63	195	2,700	5
95	Florida State University	29,152	100	431	1,971	896	13,646	720	4,008	46	1,256	5,703	375
96	Washington State Univ	28,556	12,871	72	1,187	476	2,095	489	6,564	104	258	4,289	151
97	Temple University	28,545	100	0	660	1,320	335	2	24,077	0	45	1,976	30
98	Univ of Nebraska-Lincoln	27,069	15,728	312	729	746	322	72	2,413	0	678	3,213	2,856
99	West Virginia University	26,943	10,271	8	211	131	4,320	1,934	5,453	2,330	219	1,203	863
100	Mississippi State Univ	26,920	17,528	24	500	953	3,127	0	630	184	734	3,056	184
Total 1st 100 institutions		8,673,891	524,730	62,277	1,177,851	122,149	483,848	58,993	4,625,087	32,734	382,184	1,136,979	67,059

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-8. Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990 1/

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOC Res. 2/	DOC Dev. 2/	Ed	DOE	EPA	HHS	NASA	NSF	Other 3/
	Total, all institutions	9,031,047	349,121	97,251	720,555	476,323	71,301	512,370	87,104	4,774,514	470,746	1,304,613	167,143
1	Johns Hopkins University	470,935	154	237	9,650	247,955	4,992	2,325	333	190,178	4,503	8,460	2,148
2	Stanford University	247,992	0	30	35,004	2,456	859	16,692	2,298	114,486	48,483	27,417	267
3	Mass Inst of Technology	218,318	0	2,791	48,311	657	657	46,812	533	52,337	20,894	41,692	3,394
4	University of Washington	217,291	2,404	5,111	21,167	610	819	7,745	1,230	141,776	6,681	27,041	2,707
5	Univ of Cal Los Angeles	176,735	189	76	9,213	152	1,030	17,707	81	121,225	7,176	19,367	519
6	University of Michigan	176,620	1,079	1,588	11,573	211	464	7,878	1,775	114,759	9,849	24,904	2,540
7	Univ of Cal San Francisco	167,270	0	0	1,514	596	0	3,474	160	159,324	953	1,249	0
8	Univ of Cal San Diego	165,224	325	564	21,227	606	0	4,078	138	96,271	12,314	28,681	1,020
9	Univ of Wis-Madison	155,175	7,430	126	4,933	57	0	14,717	392	83,506	12,228	31,510	276
10	Columbia Univ Main Div	153,171	5	736	8,899	1,164	175	6,807	480	98,778	5,498	29,042	1,587
	Total 1st 10 institutions	2,148,731	11,586	11,259	171,491	254,664	8,996	128,275	7,420	1,172,640	128,579	239,363	14,458
11	Harvard University	148,055	0	65	5,509	1,500	500	5,317	935	108,223	3,801	19,361	2,844
12	Cornell University	144,749	9,868	282	13,835	0	0	4,445	1,287	64,480	5,345	43,554	1,653
13	Univ of Pennsylvania	142,509	303	81	11,003	0	1,105	6,004	0	108,854	478	14,168	513
14	Yale University	142,483	279	30	5,826	450	0	8,963	182	116,077	883	9,793	0
15	University of Minnesota	137,495	7,210	741	9,733	324	293	4,560	1,303	90,481	3,136	18,936	778
16	Pennsylvania State Univ	136,754	7,699	360	23,185	41,769	96	3,909	471	30,408	7,503	15,261	6,091
17	Univ of Cal Berkeley	123,983	9,150	0	8,347	2,182	6,733	4,197	503	38,603	19,017	31,293	3,958
18	Univ of Southern Cal	122,734	0	684	34,238	3,946	162	1,428	727	65,483	5,454	10,346	266
19	Washington University	117,907	399	0	2,016	106	0	1,732	100	105,863	2,640	5,051	0
20	University of Colorado	116,449	178	7,951	6,650	50	200	4,211	1,067	64,346	11,848	19,569	379
	Total 1st 20 institutions	3,481,849	46,672	21,453	291,833	304,991	18,085	173,041	13,997	1,965,458	188,684	426,695	30,940
21	Duke University	116,109	505	167	3,158	2,085	0	3,986	1,552	93,949	765	9,942	0
22	University of Pittsburgh	114,262	52	63	3,000	8,370	2,662	2,589	2,475	85,235	1,046	8,726	44
23	University of Chicago	104,074	0	193	2,370	0	0	19,312	0	60,018	5,485	16,691	5
24	University of Rochester	102,453	117	0	5,148	1,583	170	16,309	0	70,798	195	8,133	0
25	Univ of NC at Chapel Hill	100,183	115	33	2,866	0	1,192	818	3,308	82,369	528	8,906	48
26	Univ of Ill Urbana	99,742	7,268	0	14,821	167	0	12,380	810	16,979	3,923	42,113	1,281
27	Univ of Texas at Austin	93,401	142	66	17,886	21,446	0	15,584	648	13,401	6,397	14,573	3,258
28	University of Arizona	92,824	2,950	190	5,166	2,892	420	2,403	409	43,200	18,208	15,392	1,594
29	Ohio State University	80,401	7,781	909	4,205	342	0	4,088	1,465	33,191	4,568	14,511	9,341
30	University of Iowa	76,762	70	81	2,001	225	248	558	392	63,703	4,134	5,349	1
	Total 1st 30 institutions	4,462,060	65,672	23,155	352,454	342,101	22,777	251,068	25,056	2,528,301	233,933	571,031	46,512
31	New York University	75,749	0	0	4,484	0	176	3,933	958	59,067	422	6,709	0
32	Univ Alabama Birmingham	74,529	275	0	1,195	3,911	0	0	0	63,783	3,030	2,335	0
33	Baylor Col of Medicine	72,260	7,962	0	677	0	757	384	0	61,753	727	0	0
34	Case Western Reserve Univ	71,263	0	0	3,682	0	500	407	347	54,114	6,598	5,615	0
35	Vanderbilt University	70,585	0	0	3,336	0	904	1,614	0	59,528	2,385	2,588	30
36	California Inst of Tech	69,228	0	90	10,872	0	0	8,855	314	14,362	9,094	24,140	1,501
37	Univ of Cal Davis	68,952	3,682	0	1,160	408	698	10,091	511	39,541	1,402	9,353	2,106
38	Yeshiva University	67,045	0	0	234	0	75	0	0	66,322	0	414	0
39	University of Massachusetts	66,811	2,897	40	8,697	347	249	2,273	445	37,831	1,764	11,996	272
40	University of Utah	65,250	161	0	4,449	134	87	4,501	384	44,655	697	8,583	1,599
	Total 1st 40 institutions	5,163,732	80,649	23,285	391,240	346,901	26,223	283,326	28,015	3,029,257	260,052	642,764	52,020
41	Univ of MD College Park	64,723	3,820	3,832	8,319	1,208	2,090	7,759	1,023	4,901	12,755	18,080	936
42	University of Miami	63,707	0	2,132	3,979	35	303	439	0	46,405	1,717	8,657	40
43	Purdue University	63,167	9,287	0	3,887	56	167	7,216	278	17,313	2,222	15,972	6,769
44	Indiana University	61,435	0	0	510	0	90	3,363	719	38,572	671	17,140	370
45	Northwestern University	61,100	50	15	6,761	0	1,351	3,816	0	35,994	1,135	11,887	91
46	University of Virginia	60,796	1	2,139	4,281	683	1,346	2,812	569	35,100	4,238	8,945	682
47	Boston University	59,380	0	100	2,392	3,966	1,052	2,331	100	41,385	988	7,066	0
48	Michigan State University	56,619	12,815	116	1,932	26	1,960	3,440	404	14,495	634	17,977	2,820
49	University of Florida	56,063	7,606	107	3,944	2,073	0	2,871	698	26,938	2,235	7,545	2,046
50	Georgia Institute of Tech	54,271	0	297	7,622	30,924	0	1,227	817	2,609	3,433	6,559	783
	Total 1st 50 institutions	5,764,993	114,228	32,023	434,867	385,872	34,582	318,600	32,623	3,292,969	290,080	762,592	66,557

See explanatory material, if any, and SOURCE, at end of table.

Table B-8. Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990 1/

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD Res. 2/	DOD Dev. 2/	Ed	DOE	EPA	HHS	NASA	NSF	Other 3/
51	Univ of Cal Irvine	53,429	0	0	8,310	994	0	4,045	190	29,122	1,459	9,309	0
52	Utah State University	52,713	2,689	0	10,698	32,834	297	123	516	1,895	1,000	2,103	558
53	Woods Hole Oceanographic Inst	50,751	0	1,623	20,420	0	0	601	301	224	407	27,175	0
54	U Tex Sw Med Ctr - Dallas	50,504	0	0	125	0	0	0	0	48,789	1,208	382	0
55	Princeton University	50,474	0	1,192	8,829	0	0	5,920	700	13,059	4,023	16,635	116
56	Carnegie-Mellon Univ	50,025	125	0	14,078	8,373	0	3,873	0	5,986	2,778	14,389	423
57	Emory University	49,581	0	0	799	0	50	82	0	46,239	297	2,114	0
58	Texas A & M University	47,221	10,760	4,162	3,006	80	0	4,738	226	7,989	3,127	12,655	478
59	SUNY at Stony Brook	45,868	0	0	325	0	0	3,509	0	26,451	1,967	13,564	52
60	New Mexico State Univ	45,177	2,380	0	3,970	12,248	0	6,135	84	406	16,324	3,462	168
Total 1st 60 institutions		6,260,736	130,182	39,000	505,427	440,401	34,929	347,626	34,640	3,473,129	322,670	864,380	68,352
61	Univ of Tennessee All Cmp	44,759	5,385	0	1,163	0	0	11,643	445	20,419	1,619	3,879	206
62	Rutgers the St Univ of NJ	44,642	4,433	303	3,147	4,320	1,300	1,227	102	19,027	604	9,934	245
63	Oregon State University	44,542	8,856	2,509	6,374	0	0	1,136	1,249	8,260	1,948	11,493	2,717
64	CUNY Mount Sinai Schl Med	43,954	0	0	0	0	291	101	86	43,109	216	151	0
65	University of Connecticut	43,589	1,528	3,318	2,235	0	1,500	797	127	29,011	293	4,535	245
66	N C State Univ at Raleigh	43,466	9,081	353	7,160	577	500	1,816	1,679	5,111	3,979	9,709	3,501
67	Virginia Commonwealth Univ	42,678	0	0	924	0	660	242	152	39,751	411	538	0
68	Univ of Ill Chicago	42,293	9	0	2,860	190	759	541	301	30,429	419	5,310	1,475
69	Univ of Cal Santa Barbara	41,661	281	57	13,176	1,070	492	3,116	421	4,376	2,422	15,026	1,224
70	Univ of MD Balt Prof Sch	41,100	0	0	1,518	726	0	226	464	37,431	0	735	0
Total 1st 70 institutions		6,693,420	159,755	45,540	543,984	447,284	40,431	368,471	39,666	3,710,053	334,581	925,690	77,965
71	Louisiana State Univ	40,886	3,750	2,996	1,325	350	0	1,704	2,535	22,572	710	4,480	464
72	Colorado State University	40,820	5,852	2,292	3,657	0	622	1,780	616	14,993	2,231	7,290	1,487
73	Univ of Hawaii-Manoa	40,049	4,158	0	2,691	0	0	1,516	0	10,130	5,775	12,603	3,176
74	University of Georgia	39,767	8,519	1,224	977	0	0	10,281	1,160	10,214	412	6,700	280
75	Tufts University	39,142	11,303	0	381	0	128	1,017	3,239	21,610	30	1,403	31
76	University of Cincinnati	38,674	0	0	2,476	0	46	295	565	30,270	2,118	2,594	310
77	Univ of Med & Dent of N J	38,066	94	0	966	0	0	286	792	35,131	254	543	0
78	SUNY at Buffalo All Cmps	36,291	0	0	1,725	372	0	694	52	27,119	1,213	5,116	0
79	Rockefeller University	35,423	0	0	146	0	0	1,185	15	33,391	0	686	0
80	Brown University	33,342	0	62	7,051	0	0	3,265	0	12,893	1,244	8,531	296
Total 1st 80 institutions		7,075,880	193,431	52,114	565,379	448,006	41,227	390,494	48,640	3,928,376	348,568	975,636	84,009
81	U Tex Hlth Sci Ctr S Anto	33,306	0	0	108	278	0	0	0	32,281	0	639	0
82	VA Polytech Inst & St U	32,239	5,502	137	4,976	176	0	6,787	1,066	2,504	3,969	4,476	2,646
83	Dartmouth College	31,409	230	0	2,121	0	0	576	0	25,718	854	1,910	0
84	Univ of VT & St Agric Col	31,402	2,980	0	149	152	0	588	0	26,000	15	1,374	144
85	U TX MD Anderson Cntr Ctr	30,650	0	0	0	0	0	18	146	30,322	0	164	0
86	U Tex Hlth Sci Ctr Houstn	29,943	80	0	0	0	0	0	0	28,877	674	312	0
87	University of Kentucky	29,375	6,486	22	227	224	0	3,106	152	14,406	210	3,802	740
88	Wake Forest University	29,019	0	248	209	0	0	168	0	27,419	290	685	0
89	Iowa State University	28,915	11,417	3,232	880	0	72	825	243	4,259	441	5,155	2,391
90	Georgetown University	28,740	355	13	2,158	206	1,218	295	345	22,147	0	1,083	920
Total 1st 90 institutions		7,380,878	220,481	55,766	576,207	449,042	42,517	402,857	50,592	4,142,309	355,021	995,236	90,850
91	Wayne State University	27,689	0	0	911	75	0	300	0	23,440	195	2,700	68
92	Florida State University	27,531	100	431	1,833	90	0	13,576	720	3,920	1,234	5,252	375
93	University of Kansas	27,212	0	132	768	0	2,113	441	53	19,633	1,026	2,861	185
94	Temple University	26,098	100	0	660	0	274	335	0	22,716	45	1,938	30
95	Oregon Hlth Sciences Univ	25,344	0	0	655	0	0	0	0	24,334	0	355	0
96	Univ of Missouri Columbia	25,258	6,492	0	270	0	0	641	137	13,838	154	3,559	167
97	University of Dayton	23,852	0	60	18,147	4,330	0	0	548	87	154	473	53
98	George Washington Univ	23,387	0	91	2,474	72	229	647	171	16,473	2,240	990	0
99	Thomas Jefferson Univ	22,195	44	0	1,042	0	605	0	0	18,258	0	171	2,075
100	Tulane University	21,884	0	0	283	0	0	0	0	18,296	118	939	2,248
Total 1st 100 institutions		7,631,328	227,217	56,480	603,250	453,609	45,738	418,797	52,221	4,303,304	360,187	1,014,474	96,051

1/ Does not include R&D obligations to university-administered federally funded research and development centers (FFRDCs).

2/ In this table, Department of Defense research (DOD Res.) is reported separately from DOD development (DOD Dev.). DOD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

3/ Includes DOT, AID, HUD, Labor, NRC, and Interior.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-9. Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	409,871	7,832	673	100	28,444	1,613	3,466	304,940	9	21,696	40,983	115
1	Harvard University	16,754	0	0	0	276	0	18	13,906	0	84	2,470	0
2	Stanford University	16,083	0	0	0	1,029	0	0	9,109	0	701	5,244	0
3	Johns Hopkins University	14,724	0	18	0	37	0	20	13,719	0	417	513	0
4	University of Washington	13,579	0	7	0	822	14	53	11,383	0	445	855	0
5	University of Michigan	12,939	0	0	0	1,359	0	382	9,156	0	579	1,463	0
6	Univ of Cal Berkeley	12,812	0	0	0	2,315	14	11	5,575	0	299	4,598	0
7	Univ of Pennsylvania	11,991	0	0	0	737	0	6	10,527	0	16	703	0
8	Yale University	11,669	0	0	0	594	0	0	10,217	0	22	836	0
9	Univ of Cal San Francisco	10,989	0	0	0	0	0	0	10,457	0	0	532	0
10	Washington University	10,304	0	0	0	672	0	0	9,416	0	102	114	0
	Total 1st 10 institutions	131,844	0	25	0	7,841	28	490	103,465	0	2,667	17,328	0
11	University of Chicago	10,300	0	0	0	1,301	0	0	7,668	0	172	1,159	0
12	Mass Inst of Technology	9,467	0	0	0	23	0	6	5,003	0	521	3,914	0
13	Univ of Cal San Diego	8,738	0	0	0	257	0	0	7,451	0	422	608	0
14	Univ of Cal Los Angeles	8,501	0	0	0	353	0	0	7,567	0	87	494	0
15	Columbia Univ Main Div	8,472	0	0	0	801	0	0	7,443	0	0	228	0
16	Cornell University	8,143	96	0	0	1,275	0	6	4,433	0	509	1,624	0
17	Univ of Wis-Madison	7,436	192	0	0	0	0	0	6,143	0	18	1,083	0
18	Univ of NC at Chapel Hill	7,092	0	0	0	343	0	12	6,547	0	0	190	0
19	University of Minnesota	7,000	144	0	0	120	0	187	6,084	0	66	399	0
20	Duke University	6,390	0	0	0	0	0	6	6,020	0	22	342	0
	Total 1st 20 institutions	213,383	432	25	0	12,314	28	707	167,824	0	4,484	27,569	0
21	Vanderbilt University	5,536	0	0	0	39	0	0	5,046	0	318	133	0
22	University of Colorado	5,176	0	0	0	210	0	65	4,052	0	621	228	0
23	Case Western Reserve Univ	5,020	0	0	0	0	14	0	3,959	0	876	171	0
24	University of Rochester	4,818	0	0	0	218	0	0	4,354	0	18	228	0
25	Yeshiva University	4,677	0	0	0	0	0	0	4,677	0	0	0	0
26	University of Virginia	4,627	0	0	0	187	0	6	3,473	0	771	190	0
27	California Inst of Tech	4,150	0	0	0	0	0	0	2,610	0	552	988	0
28	Princeton University	4,091	0	0	0	881	0	8	1,730	0	66	1,406	0
29	Univ of Southern Cal	3,977	0	0	0	723	0	0	3,178	0	0	76	0
30	Boston University	3,903	0	0	0	485	0	11	3,309	0	22	76	0
	Total 1st 30 institutions	259,358	432	25	0	15,057	42	797	204,212	0	7,728	31,065	0
31	University of Iowa	3,742	0	0	0	135	0	0	3,495	0	17	95	0
32	Univ Alabama Birmingham	3,734	0	0	0	27	0	0	3,606	0	44	57	0
33	University of Pittsburgh	3,727	0	0	0	405	0	0	3,208	0	0	114	0
34	New York University	3,550	0	0	0	63	0	0	3,275	0	22	190	0
35	University of Arizona	2,925	0	0	0	320	14	0	1,875	0	412	304	0
36	U Tex Sw Med Ctr - Dallas	2,882	0	0	0	0	0	0	2,882	0	0	0	0
37	Northwestern University	2,858	0	0	0	180	0	0	2,292	0	44	342	0
38	Indiana University	2,828	0	0	0	645	0	34	1,953	0	44	152	0
39	University of Florida	2,610	142	0	0	121	0	115	1,608	0	415	209	0
40	Univ of Ill Urbana	2,543	171	0	0	110	0	0	1,346	0	80	836	0
	Total 1st 40 institutions	290,757	745	25	0	17,063	56	946	229,752	0	8,806	33,364	0
41	University of Utah	2,425	0	0	0	192	14	6	2,080	0	0	133	0
42	University of Cincinnati	2,092	0	0	0	0	0	175	1,818	0	80	19	0
43	CUNY Mount Sinai Sch Med	2,047	0	0	0	0	0	0	2,047	0	0	0	0
44	Pennsylvania State Univ	2,035	321	0	0	150	0	7	859	0	546	152	0
45	Baylor Col of Medicine	2,025	0	0	0	0	0	0	1,969	0	18	38	0
46	Univ of Texas at Austin	2,025	0	0	0	259	0	5	914	0	524	323	0
47	Univ of Cal Davis	1,909	139	0	0	23	0	0	1,489	0	49	209	0
48	University of Connecticut	1,901	0	470	0	100	0	2	1,272	0	0	57	0
49	Univ of Cal Irvine	1,887	0	0	0	200	33	0	1,499	0	22	133	0
50	Michigan State University	1,858	142	0	0	207	0	1	1,318	0	0	190	0
	Total 1st 50 institutions	310,961	1,347	495	0	18,194	103	1,142	245,017	0	10,045	34,618	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-9. Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	University of Miami	1,782	0	0	51	0	0	0	1,712	0	0	19	0
52	Virginia Commonwealth Univ	1,711	0	0	0	0	0	0	1,711	0	0	0	0
53	Florida A & M University	1,574	449	0	0	0	0	0	1,313	0	812	0	0
54	Purdue University	1,459	164	0	0	181	0	0	736	0	93	285	0
55	Rockefeller University	1,439	0	0	0	0	0	0	1,363	0	0	76	0
56	Carnegie-Mellon Univ	1,429	0	0	0	80	0	0	411	0	44	779	115
57	Univ of Ill Chicago	1,416	0	0	0	105	0	69	1,223	0	0	19	0
58	University of Massachusetts	1,389	0	0	0	0	0	0	1,076	0	66	247	0
59	Rutgers the St Univ of NJ	1,360	0	0	0	387	0	128	728	0	11	114	0
60	U Tex Hlth Sci Ctr S Anto	1,357	0	0	0	0	0	0	1,357	0	0	0	0
Total 1st 60 institutions		325,885	1,960	495	51	18,947	103	1,339	255,647	0	11,071	36,157	115
61	Brown University	1,351	0	0	0	6	0	0	1,010	0	88	247	0
62	Temple University	1,344	0	0	0	162	0	2	1,142	0	0	38	0
63	Emory University	1,270	0	0	0	167	0	0	1,046	0	0	57	0
64	U Tex Hlth Sci Ctr Houstn	1,268	0	0	0	0	0	0	1,230	0	0	38	0
65	Univ of Missouri Columbia	1,212	288	0	0	0	0	6	823	0	0	95	0
66	University of Kansas	1,187	0	0	0	139	0	0	879	0	169	0	0
67	Tufts University	1,169	0	0	0	81	0	2	1,029	0	0	57	0
68	Colorado State University	1,146	142	0	0	0	0	229	1,037	0	81	57	0
69	West Virginia University	1,144	0	0	0	16	0	0	1,106	0	22	0	0
70	Howard University	1,139	0	0	0	0	82	72	568	0	398	19	0
Total 1st 70 institutions		338,115	2,390	495	51	19,518	185	1,650	265,117	0	11,829	36,765	115
71	Dartmouth College	1,125	0	0	0	68	0	0	957	0	62	38	0
72	Texas A & M University	1,123	161	0	0	243	14	0	253	0	129	323	0
73	Ohio State University	1,109	0	0	0	25	0	2	643	0	40	399	0
74	Brandeis University	1,095	0	0	0	0	0	0	995	0	43	57	0
75	University of Oregon Main	1,088	0	0	0	18	0	0	1,013	0	0	57	0
76	SUNY at Stony Brook	1,084	0	0	0	171	0	0	837	0	0	76	0
77	M C State Univ at Raleigh	1,076	142	0	0	306	0	96	267	0	17	228	0
78	Univ of Tennessee All Cmp	1,038	96	0	0	0	0	48	876	0	18	0	0
79	Georgia Institute of Tech	1,034	0	0	0	0	0	2	134	0	499	399	0
80	Univ of VT & St Agric Col	1,025	0	0	0	0	0	0	1,025	0	0	0	0
Total 1st 80 institutions		348,912	2,789	495	51	20,349	199	1,798	272,137	0	12,637	38,342	115
81	University of New Mexico	1,021	0	0	0	0	0	0	656	0	289	76	0
82	Wake Forest University	975	0	0	0	0	0	0	934	0	22	19	0
83	Univ of Hawaii-Manoa	956	46	0	0	0	0	0	585	0	268	57	0
84	University of Oklahoma	952	0	0	0	264	0	0	609	0	22	57	0
85	U TX MD Anderson Cntr Ctr	943	0	0	0	0	0	0	943	0	0	0	0
86	Spelman College	895	0	0	0	0	0	0	64	0	831	0	0
87	Thomas Jefferson Univ	887	0	0	0	0	0	0	887	0	0	0	0
88	Wayne State University	837	0	0	0	0	0	3	834	0	0	0	0
89	Oregon Hlth Sciences Univ	804	0	0	0	0	0	0	804	0	0	0	0
90	University of Georgia	798	136	0	0	0	0	0	548	0	0	114	0
Total 1st 90 institutions		357,980	2,971	495	51	20,613	199	1,801	279,001	0	14,069	38,665	115
91	Medical Col of Penn	795	0	0	0	0	0	0	795	0	0	0	0
92	Georgetown University	792	0	0	0	237	0	30	506	0	0	19	0
93	Hampton University	755	0	0	0	0	87	28	308	0	332	0	0
94	Oregon State University	700	118	0	0	113	14	0	307	0	110	38	0
95	SUNY at Buffalo All Cmps	682	0	0	0	0	0	0	625	0	0	57	0
96	VA Polytech Inst & St U	677	240	0	0	28	0	2	76	0	160	171	0
97	Univ of P R-Rio Piedras	642	0	0	0	180	0	3	459	0	0	0	0
98	New Mexico State Univ	634	0	0	0	49	0	0	188	0	359	38	0
99	U of Houston Univ Park	632	0	0	0	7	0	0	183	0	423	19	0
100	Iowa State University	628	0	0	0	117	0	0	34	0	344	133	0
Total 1st 100 institutions		364,917	3,329	495	51	21,344	300	1,864	282,482	0	15,797	39,140	115

1/ Includes DOT, AID, HUD, Labor, and HRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-10. Federal obligations for general support for science and engineering to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOO	Ed	DOE	EPA	NHS	Int	NASA	NSF	Other 1/
	Total, all institutions	142,532	0	1,037	0	28,739	521	3,052	102,221	2,696	0	4,266	0
1	Howard University	3,373	0	0	0	1,892	0	0	1,481	0	0	0	0
2	University of Cincinnati	2,617	0	0	0	101	0	1,903	400	0	0	213	0
3	University of Washington	2,267	0	0	0	98	0	0	2,169	0	0	0	0
4	Univ of Wis-Madison	2,093	0	0	0	0	0	863	1,086	25	0	119	0
5	Univ of P R-Rio Piedras	2,029	0	0	0	554	0	0	1,475	0	0	0	0
6	University of Minnesota	1,939	0	0	0	173	0	0	1,766	0	0	0	0
7	Maharry Medical College	1,838	0	0	0	0	0	0	1,838	0	0	0	0
8	Univ of Pennsylvania	1,767	0	0	0	131	0	0	1,635	0	0	1	0
9	University of Michigan	1,730	0	0	0	197	0	0	1,210	0	0	323	0
10	Univ of NC at Chapel Hill	1,600	0	0	0	222	0	296	1,086	0	0	6	0
	Total 1st 10 institutions	21,253	0	0	0	3,368	0	3,052	14,146	25	0	662	0
11	Univ of Cal San Francisco	1,547	0	0	0	0	0	0	1,547	0	0	0	0
12	Northwestern University	1,440	0	0	0	157	0	0	1,199	0	0	84	0
13	University of Chicago	1,434	0	0	0	100	295	0	1,039	0	0	0	0
14	Vanderbilt University	1,302	0	0	0	41	0	0	1,261	0	0	0	0
15	Univ Hawaii at Hilo	1,208	0	0	0	741	0	0	467	0	0	0	0
16	Univ of Cal Los Angeles	1,140	0	0	0	0	0	0	1,140	0	0	0	0
17	Calif St Univ Los Angeles	1,112	0	0	0	0	0	0	1,112	0	0	0	0
18	Yale University	1,104	0	0	0	0	0	0	1,104	0	0	0	0
19	Univ of P R-Med Sci Campus	1,101	0	0	0	0	0	0	1,101	0	0	0	0
20	Wayne State University	1,086	0	0	0	0	0	0	1,086	0	0	0	0
	Total 1st 20 institutions	33,735	0	0	0	4,407	295	3,052	25,210	25	0	746	0
21	Morehouse School of Med	1,084	0	0	0	0	0	0	1,084	0	0	0	0
22	Ohio State University	1,078	0	0	0	86	0	0	992	0	0	0	0
23	Pennsylvania State Univ	1,074	0	0	0	0	0	0	932	0	0	142	0
24	University of Colorado	1,072	0	0	0	133	0	0	939	0	0	0	0
25	Jackson State University	1,071	0	0	0	141	0	0	580	390	0	0	0
26	Johns Hopkins University	1,053	0	0	0	0	0	0	1,053	0	0	0	0
27	Univ of Cal Irvine	1,002	0	0	0	436	0	0	566	0	0	0	0
28	Chicago State University	990	0	0	0	331	0	0	659	0	0	0	0
29	CUNY City College	986	0	0	0	0	0	0	958	0	0	30	0
30	Duke University	964	0	0	0	0	0	0	955	0	0	9	0
	Total 1st 30 institutions	44,111	0	0	0	5,534	295	3,052	33,928	375	0	927	0
31	Indiana University	962	0	0	0	599	0	0	353	0	0	10	0
32	Florida A & M University	951	0	0	0	0	0	0	951	0	0	0	0
33	U Tex Sw Med Ctr - Dallas	894	0	0	0	0	0	0	894	0	0	0	0
34	University of New Mexico	891	0	0	0	0	0	0	883	0	0	8	0
35	Mass Inst of Technology	874	0	0	0	0	0	0	832	0	0	42	0
36	Columbia Univ Main Div	862	0	0	0	0	0	0	862	0	0	0	0
37	University of Iowa	857	0	0	0	83	0	0	774	0	0	0	0
38	Morehouse College	851	0	0	0	0	0	0	851	0	0	0	0
39	Tuskegee University	844	0	0	0	0	0	0	844	0	0	0	0
40	Texas State Tech Inst	840	0	840	0	0	0	0	0	0	0	0	0
	Total 1st 40 institutions	52,937	0	840	0	6,216	295	3,052	41,172	375	0	987	0
41	Univ of Cal San Diego	837	0	0	0	0	0	0	837	0	0	0	0
42	College of William & Mary	819	0	0	0	819	0	0	0	0	0	0	0
43	SUNY at Stony Brook	819	0	0	0	0	0	0	819	0	0	0	0
44	Case Western Reserve Univ	808	0	0	0	71	0	0	725	0	0	12	0
45	Univ of Cal Berkeley	798	0	0	0	73	160	0	565	0	0	0	0
46	University of Massachuset	797	0	0	0	400	0	0	335	0	0	62	0
47	Cornell University	782	0	0	0	52	0	0	730	0	0	0	0
48	Univ of Tennessee All Cmp	779	0	0	0	164	0	0	544	0	0	71	0
49	University of Arizona	775	0	0	0	0	0	0	775	0	0	0	0
50	Winston-Salem State Univ	760	0	0	0	267	0	0	493	0	0	0	0
	Total 1st 50 institutions	60,911	0	840	0	8,062	455	3,052	46,995	375	0	1,132	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-10. Federal obligations for general support for science and engineering to the 100 universities and colleges receiving the largest amounts, by agency: Fiscal year 1990

(Dollars in thousands)

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	University of Utah	757	0	0	0	130	0	0	627	0	0	0	0
52	Yoshida University	751	0	0	0	194	0	0	557	0	0	0	0
53	Southern U & AMM College	749	0	0	0	65	0	0	684	0	0	0	0
54	Brandeis University	749	0	0	0	74	0	0	675	0	0	0	0
55	U Tex Hlth Sci Ctr S Anto	741	0	0	0	0	0	0	741	0	0	0	0
56	SUNY at Buffalo All Cmps	731	0	0	0	0	0	0	731	0	0	0	0
57	U of TX - Pan America	695	0	0	0	0	0	0	695	0	0	0	0
58	Tennessee State Univ	684	0	0	0	46	0	0	636	0	0	0	0
59	Selma University	674	0	0	0	310	0	0	364	0	0	0	0
60	Oregon State University	671	0	0	0	0	0	0	95	576	0	0	0
Total list 60 institutions		68,113	0	840	0	8,883	455	3,052	52,800	951	0	1,132	0
61	Univ of South Carolina	670	0	0	0	0	0	0	637	0	0	33	0
62	Oregon Hlth Sciences Univ	667	0	0	0	0	0	0	667	0	0	0	0
63	Rutgers the St Univ of NJ	667	0	0	0	99	0	0	536	0	0	32	0
64	U of Texas at San Antonio	664	0	0	0	0	0	0	664	0	0	0	0
65	Boston University	661	0	0	0	163	0	0	498	0	0	0	0
66	Univ of Cal Santa Cruz	653	0	0	0	0	0	0	572	58	0	23	0
67	Univ of Cal Santa Barbara	650	0	0	0	0	0	0	49	581	0	0	0
68	Alabama A & M University	649	0	0	0	492	0	0	157	0	0	0	0
69	University of Connecticut	648	0	0	0	114	0	0	510	0	0	24	0
70	Texas Southern Univ	642	0	0	0	76	0	0	566	0	0	0	0
Total list 70 institutions		74,684	0	840	0	9,827	455	3,052	57,676	1,590	0	1,244	0
71	CUNY Hunter College	641	0	0	0	0	0	0	641	0	0	0	0
72	Colorado State University	636	0	0	0	57	0	0	452	0	0	27	0
73	Ponce School of Medicine	634	0	0	0	0	0	0	634	0	0	0	0
74	Georgetown University	633	0	0	0	441	0	0	192	0	0	0	0
75	University of Virginia	627	0	0	0	246	0	0	317	0	0	64	0
76	Northeastern University	624	0	0	0	155	0	0	469	0	0	0	0
77	Harvard University	619	0	0	0	0	0	0	619	0	0	0	0
78	CUNY York College	608	0	0	0	0	0	0	608	0	0	0	0
79	Stanford University	605	0	0	0	0	0	0	605	0	0	0	0
80	Montana State University	599	0	0	0	0	0	0	599	0	0	0	0
Total list 80 institutions		80,910	0	840	0	10,726	455	3,052	62,912	1,590	0	1,335	0
81	University of Pittsburgh	597	0	0	0	0	0	0	583	0	0	14	0
82	Univ of Texas at El Paso	595	0	0	0	0	0	0	595	0	0	0	0
83	San Jose State University	578	0	0	0	0	0	0	578	0	0	0	0
84	Benedict College	564	0	0	0	59	0	0	505	0	0	0	0
85	Bethune Cookman College	558	0	0	0	0	0	0	558	0	0	0	0
86	Purdue University	555	0	0	0	0	0	0	235	0	0	320	0
87	New York University	554	0	0	0	126	0	0	317	0	0	111	0
88	Northern Arizona Univ	549	0	0	0	210	0	0	339	0	0	0	0
89	Florida State University	548	0	0	0	242	0	0	67	46	0	193	0
90	Univ of Nebraska-Lincoln	544	0	0	0	254	0	0	213	0	0	77	0
Total list 90 institutions		86,552	0	840	0	11,617	455	3,052	66,902	1,636	0	2,050	0
91	Baylor Col of Medicine	543	0	0	0	0	0	0	543	0	0	0	0
92	SUNY at Albany	536	0	0	0	46	0	0	490	0	0	0	0
93	University of Kansas	517	0	0	0	62	0	0	440	0	0	15	0
94	Xavier University of LA	516	0	0	0	0	0	0	516	0	0	0	0
95	Hampton University	500	0	0	0	68	0	0	432	0	0	0	0
96	University of Georgia	500	0	0	0	68	0	0	414	0	0	18	0
97	University of Florida	498	0	0	0	0	0	0	439	0	0	59	0
98	Univ Alabama Birmingham	490	0	0	0	0	0	0	490	0	0	0	0
99	Univ of Med & Dent of N J	488	0	0	0	0	0	0	488	0	0	0	0
100	New Mexico State Univ	481	0	0	0	53	0	0	428	0	0	0	0
Total list 100 institutions		91,621	0	840	0	11,914	455	3,052	71,582	1,636	0	2,142	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table 8-11. Federal obligations to universities and colleges for research and development, by State, institution, and agency: fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
United States, total	9,031,047	349,121	97,251	720,555	476,323	71,301	512,376	87,104	4,774,514	470,746	1,304,613	167,143
Alabama, total	129,701	9,244	190	8,544	4,382	0	2,772	143	72,442	22,943	6,833	2,208
Ale. Ayn and Tech College	220	0	0	0	0	0	0	0	0	0	220	0
Alabama A & M University	4,702	1,975	0	280	178	0	215	33	50	991	960	0
Auburn University	15,697	5,186	37	2,632	150	0	1,442	85	498	2,844	1,035	1,788
Birmingham Southern Col	124	0	0	0	0	0	0	0	0	0	124	0
Jacksonville State Univ	90	0	0	0	0	0	0	0	0	0	90	0
Selma University	140	24	0	0	0	0	116	0	0	0	0	0
The University of Alabama	3,451	0	69	0	0	0	784	25	700	552	901	420
Tuskegee University	4,151	1,770	0	550	143	0	170	0	666	452	400	0
Univ of South Alabama	7,191	14	84	91	0	0	45	0	6,745	0	212	0
Univ Alabama Birmingham	74,529	275	0	1,195	3,911	0	0	0	63,783	3,030	2,335	0
Univ Alabama Huntsville	19,406	0	0	3,796	0	0	0	0	0	15,074	536	0
Alaska, total	25,060	1,315	3,961	256	0	0	1,092	100	424	7,660	9,781	471
Alaska Pacific University	33	0	0	0	0	0	0	0	0	0	0	33
Univ of Alaska Anchorage	1,670	0	1,529	5	0	0	0	0	122	0	0	14
Univ of Alaska Fairbanks	20,462	23	933	251	0	0	1,092	100	302	7,660	9,781	320
Univ of Alaska Southeast	1,603	0	1,499	0	0	0	0	0	0	0	0	104
Univ of Alaska System Off	1,292	1,292	0	0	0	0	0	0	0	0	0	0
Arizona, total	115,683	3,100	210	8,167	3,126	1,233	3,772	625	47,968	20,155	24,963	2,364
Amer Grad Sch of Intl Man	46	0	0	0	0	46	0	0	0	0	0	0
Arizona State University	19,176	11	20	2,995	234	137	1,369	216	4,601	1,921	7,323	349
Maricopa Co C C Sys Off	809	0	0	0	0	0	0	0	0	0	800	0
Northern Arizona Univ	2,837	139	0	6	0	630	0	0	167	26	1,448	421
University of Arizona	92,824	2,950	190	5,166	2,892	420	2,403	409	43,200	10,208	15,392	1,594
Arkansas, total	23,586	7,014	250	729	0	1,566	1,125	180	7,673	193	1,727	3,129
Arkansas State University	157	0	0	0	0	0	72	0	14	22	0	49
Arkansas Tech University	838	0	0	0	0	0	838	0	0	0	0	0
Henderson State Univ	59	0	0	0	0	0	0	0	0	0	59	0
Hendrix College	41	0	0	0	0	0	0	0	0	0	41	0
John Brown University	1	0	0	0	0	0	0	0	1	0	0	0
Ouachita Baptist Univ	77	0	0	77	0	0	0	0	0	0	0	0
U of Arkansas Med Sci Cam	6,650	0	0	0	0	0	0	0	6,642	0	8	0
Univ of Ark Fayetteville	13,832	5,780	250	417	0	1,566	215	180	815	141	1,543	2,925
Univ of Ark Little Rock	586	0	0	145	0	0	0	0	201	30	76	134
Univ of Ark Pine Bluff	1,345	1,234	0	90	0	0	0	0	0	0	0	21
California, total	1,317,370	15,363	5,339	149,082	12,499	10,161	78,587	6,010	709,269	114,399	199,756	16,905
Cal Poly St U San Luis Ob	846	26	0	0	0	0	0	0	0	323	477	20
Cal St U - San Bernardino	22	0	0	0	0	0	0	0	0	0	22	0
Cal St U Dominguez Hills	367	0	0	0	0	0	0	0	0	0	367	0
Calif St Poly Univ Pomona	424	30	0	0	0	0	0	0	0	15	310	69
Calif St U Bakersfield	30	0	0	0	0	0	0	0	0	0	30	0
Calif St Univ Fullerton	1,664	0	0	0	0	0	43	0	236	34	1,351	0
Calif St Univ Hayward	160	0	0	0	0	0	20	0	0	90	50	0
Calif St Univ Long Beach	1,895	0	0	457	0	0	0	180	406	188	744	0
Calif St Univ Los Angeles	3,200	0	0	0	0	0	0	0	1,600	15	1,585	0
Calif St Univ Northridge	839	0	0	0	0	0	60	0	398	29	352	0
Calif St Univ Sacramento	180	0	0	0	0	0	180	0	0	0	0	0
Calif St Univ Stanislaus	19	0	0	0	0	0	0	0	0	0	19	0
Calif State Univ Chico	8	0	0	0	0	0	0	0	0	0	8	0
Calif State Univ Fresno	39	0	0	0	0	0	0	0	0	0	39	0
California Inst of Tech	69,228	0	90	10,872	0	0	8,855	314	14,362	9,094	24,140	1,501
Charles R. Drew Med&Sci	3,814	0	0	0	0	0	0	0	3,814	0	0	0
Claremont U Ctr & Grad Sc	19	0	0	0	0	0	0	0	0	0	19	0
Evergreen Valley College	71	0	0	0	0	0	0	0	0	0	71	0
Five Colleges Inc.	44	0	0	0	0	0	0	0	0	0	44	0
Foothill-Deanza CC Sys Of	286	0	0	0	0	0	0	0	0	286	0	0
Golden West College	36	0	0	0	0	0	0	0	0	0	36	0
Harvey Mudd College	257	0	0	0	0	0	0	0	0	0	257	0
Humboldt State University	633	412	0	0	0	0	0	0	0	23	7	191
Loma Linda University	2,325	0	0	0	0	0	0	0	2,210	0	115	0
Merritt College	176	0	0	0	0	0	0	0	176	0	0	0
Mills College	92	0	0	0	0	0	0	0	0	0	92	0
Monterey Inst Intl Study	19	0	0	0	0	0	0	0	0	0	19	0
National Hispanic Univ.	77	0	0	0	0	0	77	0	0	0	0	0
Occidental College	383	0	0	55	0	0	0	0	104	0	224	0
Pepperdine University	439	0	0	0	0	0	0	0	0	0	439	0
Pittsner College	213	0	0	0	0	0	0	0	213	0	0	0
Point Loma College	32	0	0	0	0	0	0	0	0	0	32	0
Pomona College	326	0	0	0	0	0	0	0	0	0	326	0
San Diego State Univ	15,500	71	47	3,474	89	0	1,622	250	6,537	548	2,685	179
San Francisco State Univ	3,293	0	25	325	0	0	95	0	831	185	1,772	60

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development.
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	MHS	NASA	NSF	Other 2/
California, cont'd												
San Jose State University	6,628	0	64	315	0	0	0	0	353	3,250	2,574	72
Santa Clara University	658	0	0	0	0	0	0	0	89	151	418	0
Sonoma State University	44	0	0	0	0	0	0	0	0	0	0	0
Stanford University	247,992	0	30	35,004	2,456	859	16,692	2,298	114,486	48,483	27,417	267
U of Cal Sys Wide Prgrms	3,882	0	3,702	0	0	0	0	0	180	0	0	0
Univ of Cal Berkeley	123,983	9,150	0	8,347	2,182	6,733	4,197	503	38,603	19,017	31,293	3,958
Univ of Cal Davis	68,952	3,682	0	1,160	408	698	10,091	511	39,541	1,402	9,353	2,106
Univ of Cal Irvine	53,429	0	0	8,310	994	0	4,045	190	29,122	1,459	9,309	0
Univ of Cal Los Angeles	176,735	189	76	9,213	152	1,030	17,707	81	121,225	7,176	19,367	519
Univ of Cal Riverside	11,498	1,157	0	278	187	1,513	317	4,406	276	3,329	35	0
Univ of Cal San Diego	165,224	325	564	21,227	606	0	4,078	138	96,271	12,314	28,681	1,020
Univ of Cal San Francisco	167,270	0	0	1,514	596	0	3,474	160	159,324	953	1,249	0
Univ of Cal Santa Barbara	41,661	281	57	13,176	1,070	492	3,116	421	4,376	2,422	15,026	1,224
Univ of Cal Santa Cruz	17,530	40	0	1,001	0	0	1,294	0	3,575	793	5,409	5,418
Univ of San Francisco	697	0	0	116	0	0	0	0	204	377	0	0
Univ of Southern Cal	122,734	0	684	34,238	3,946	162	1,428	727	65,483	5,454	10,346	266
University of the Pacific	817	0	0	0	0	0	0	0	660	0	157	0
University of San Diego	635	0	0	0	0	0	0	0	413	0	222	0
Westmont College	45	0	0	0	0	0	0	0	0	0	45	0
Colorado, total	168,905	6,030	10,243	13,738	146	822	7,171	1,831	80,860	15,595	30,233	2,236
Adams State College	49	0	0	0	0	0	0	0	0	0	49	0
Colorado College	44	0	0	0	0	0	0	0	0	0	44	0
Colorado School of Mines	3,185	0	0	675	0	0	1,057	75	0	0	1,047	331
Colorado State University	40,820	5,852	2,292	3,657	0	622	1,780	616	14,993	2,231	7,290	1,487
Fort Lewis College	50	0	0	0	0	0	0	0	0	0	50	0
Front Range Comm College	1	0	0	0	0	0	0	0	0	0	0	0
Metropolitan St Coll Denver	158	0	0	0	0	0	0	0	0	0	0	0
National Tech University	90	0	0	90	0	0	0	0	0	0	158	0
Regis College	4	0	0	0	0	0	0	0	0	0	4	0
Univ of Northern Colorado	874	0	0	0	0	0	0	0	0	0	0	0
Univ of Southern Colorado	305	0	0	0	0	0	0	0	87	0	787	0
University of Colorado	116,449	178	7,951	6,650	50	200	4,211	1,067	64,346	11,848	19,569	379
University of Denver	6,876	0	0	2,666	96	0	123	73	1,434	1,211	1,235	38
Connecticut, total	189,462	1,807	3,348	8,061	450	1,500	9,800	366	146,427	1,176	16,282	245
Connecticut College	162	0	0	0	0	0	0	0	113	0	49	0
Fairfield University	63	0	0	0	0	0	0	0	0	0	23	0
Quinnipiac College	244	0	0	0	0	0	40	0	0	0	0	0
Sacred Heart University	213	0	0	0	0	0	0	0	244	0	0	0
Southern Conn State Univ	226	0	0	0	0	0	0	0	0	0	213	0
St Joseph College	15	0	0	0	0	0	0	0	0	0	226	0
Trinity College	308	0	0	0	0	0	0	0	15	0	0	0
University of Connecticut	43,589	1,528	3,318	2,235	0	1,500	797	127	29,011	293	4,535	245
University of Hartford	195	0	0	0	0	0	0	57	0	0	138	0
University of New Haven	70	0	0	0	0	0	0	0	0	0	70	0
Wesleyan University	1,848	0	0	0	0	0	0	0	934	0	914	0
Western Conn State Univ	46	0	0	0	0	0	0	0	0	0	46	0
Yale University	142,483	279	30	5,826	450	0	8,963	182	116,077	883	9,793	0
Delaware, total	17,922	2,063	1,300	2,010	0	960	1,000	266	4,152	1,052	4,896	223
Delaware State College	545	545	0	0	0	0	0	0	0	0	0	0
University of Delaware	17,377	1,518	1,300	2,010	0	960	1,000	266	4,152	1,052	4,896	223
District of Columbia, total	78,658	1,027	346	7,231	454	7,879	1,354	586	44,848	4,339	9,363	1,231
American University	1,441	0	0	0	0	0	104	0	698	61	578	0
Catholic Univ of America	4,443	82	189	1,697	99	0	262	0	615	871	628	0
Gallaudet University	3,812	0	0	0	0	3,000	0	0	422	0	390	0
George Washington Univ	23,387	0	91	2,474	72	229	647	171	16,473	2,240	990	0
Georgetown University	28,740	355	13	2,158	206	1,218	295	345	22,147	0	1,083	920
Howard University	15,541	110	53	830	77	3,432	46	50	4,493	877	5,374	199
University of D C	1,294	480	0	72	0	0	0	20	0	290	320	112
Florida, total	181,474	9,036	4,557	14,268	5,081	1,048	17,553	2,506	88,487	7,809	27,483	3,646
Bethune Cookman College	5	0	0	0	0	0	0	0	0	0	5	0
Eckerd College	120	0	0	0	0	0	0	0	0	0	120	0
Embry-Riddle Aero Univ	548	0	0	0	0	0	0	0	0	0	548	0
Florida A & M University	4,542	1,330	0	583	152	0	16	0	1,224	181	994	62
Florida Atlantic Univ	2,374	0	4	341	69	0	69	0	733	505	478	175
Florida Inst of Tech	1,097	0	0	140	0	0	0	75	338	0	411	0
Florida International U	1,215	0	0	0	0	0	0	438	338	0	412	27
Florida State University	27,531	100	431	1,833	90	0	13,576	720	3,920	1,234	5,252	375
Nova University	1,177	0	0	163	0	0	0	0	224	0	44	0
Rollins College	44	0	0	0	0	0	0	0	0	0	44	0
State Univ Sys of Fla Off	1,862	0	1,717	0	0	0	145	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Florida, cont'd												
Statson University	24	0	0	0	0	0	0	0	0	0	24	0
Univ of Central Florida	6,672	0	0	2,067	2,319	0	210	100	380	1,108	468	20
Univ of South Florida	13,914	0	166	1,199	343	745	227	71	7,854	728	1,861	720
Univ of West Florida	531	0	0	0	0	0	0	404	0	0	127	0
University of Florida	56,083	7,606	107	3,944	2,073	0	2,871	698	26,938	2,235	7,545	2,046
University of Miami	63,707	0	2,132	3,979	35	303	439	0	46,405	1,717	8,657	40
University of North Fla	29	0	0	0	0	0	0	0	0	0	29	0
University of Tampa	19	0	0	19	0	0	0	0	0	0	0	0
Georgia, total	175,024	10,281	1,521	11,358	31,316	50	16,290	2,266	75,397	4,616	18,382	3,547
Agnes Scott College	28	0	0	0	0	0	0	0	0	0	28	0
Albany State College	39	0	0	0	0	0	0	0	0	0	39	0
Augusta College	41	0	0	0	0	0	0	0	0	0	41	0
Clark Atlanta University	7,947	0	0	1,367	233	0	4,340	0	48	302	1,657	0
Emory University	49,581	0	0	799	0	50	82	0	46,239	297	2,114	0
Fort Valley State College	2,014	1,759	0	0	0	0	203	0	52	0	0	0
Georgia Institute of Tech	54,271	0	297	7,622	30,924	0	1,227	817	2,609	3,433	6,559	783
Georgia Southern Univ	740	3	0	0	0	0	0	0	719	18	0	0
Georgia State University	5,877	0	0	129	0	0	57	0	2,306	154	799	2,432
Kennesaw College	77	0	0	0	0	0	0	0	77	0	0	0
Medical Col of Georgia	8,300	0	0	179	159	0	0	0	7,907	0	55	0
Mercer University	475	0	0	0	0	0	0	0	337	0	138	0
Morehouse College	391	0	0	169	0	0	0	0	213	0	0	9
Morehouse School of Med	4,911	0	0	0	0	0	0	289	4,572	0	50	0
Morris Brown College	172	0	0	54	0	0	14	0	104	0	0	0
Savannah State College	86	0	0	0	0	0	86	0	0	0	0	0
Spelman College	255	0	0	62	0	0	0	0	0	0	150	43
University of Georgia	39,767	8,519	1,224	977	0	0	10,281	1,160	10,214	412	6,700	280
Valdosta State College	52	0	0	0	0	0	0	0	0	0	52	0
Hawaii, total	48,276	4,340	6,556	3,536	0	0	1,784	0	10,130	5,775	12,828	3,327
Univ of Hawaii Sys Off	7,941	0	6,556	845	0	0	268	0	0	0	225	47
Univ of Hawaii-Manoa	40,049	4,158	0	2,691	0	0	1,516	0	10,130	5,775	12,603	3,176
Univ Hawaii at Hilo	286	182	0	0	0	0	0	0	0	0	0	104
Idaho, total	10,381	3,529	30	195	180	88	101	321	780	1,726	1,412	2,019
Boise State University	158	0	0	65	0	0	0	0	0	0	93	0
Idaho State University	770	27	0	0	0	0	36	0	94	0	0	613
North Idaho College	1	0	0	0	0	0	0	0	0	0	0	1
University of Idaho	9,452	3,502	30	130	180	88	65	321	686	1,726	1,319	1,405
Illinois, total	351,598	8,287	1,708	32,690	2,219	3,375	36,800	2,177	163,567	11,291	84,733	4,751
Augustana College	76	0	0	0	0	0	0	0	0	0	76	0
Bradley University	45	0	0	0	0	0	0	0	0	0	20	25
Chicago Col of Osteo Med	153	0	0	0	0	0	0	0	153	0	0	0
Chicago State University	101	0	0	0	0	0	0	0	0	89	12	0
City Colleges of Chicago	38	0	0	0	0	0	0	0	0	0	38	0
Columbia College	328	0	0	0	0	0	0	0	0	0	328	0
De Paul University	594	0	0	0	0	0	0	0	519	0	75	0
Eastern Illinois Univ	46	0	0	0	0	0	0	0	0	0	46	0
Illinois Inst of Tech	8,174	0	0	1,245	1,778	0	0	666	3,296	81	1,108	0
Illinois State University	1,770	0	0	0	0	0	0	0	756	0	1,014	0
Knox College	271	0	0	0	0	0	0	0	158	0	113	0
Lake Forest College	99	0	0	0	0	0	0	0	0	0	99	0
Lewis and Clark Cmty Col	251	0	0	0	0	0	0	0	0	0	251	0
Lincoln College	1,378	0	0	0	0	0	0	0	0	0	0	1,378
Loyola Univ - Chicago	7,513	13	0	321	0	0	20	97	5,844	0	1,213	5
Northeastern Ill Univ	210	10	0	0	0	0	0	0	0	0	200	0
Northern Illinois Univ	4,350	111	0	209	0	640	230	0	1,263	0	1,897	0
Northwestern University	61,100	50	15	6,761	0	1,351	3,816	0	35,994	1,135	11,887	91
Parkland College	124	0	0	0	0	0	0	0	0	0	124	0
Rush University	1,219	0	0	0	0	0	0	0	1,219	0	0	0
S Illinois U Edwardsville	630	0	0	0	0	0	0	0	199	0	324	107
Southern Ill U-Carbondale	6,536	688	0	760	0	125	75	0	3,339	159	1,139	251
U Hlth Sci/Chgo Med Sch	3,371	0	0	0	0	0	0	0	3,266	0	105	0
Univ of Ill Chicago	42,293	9	0	2,860	190	759	541	301	30,429	419	5,310	1,475
Univ of Ill Urbana	99,742	7,268	0	14,821	167	0	12,380	810	16,979	3,923	42,113	1,281
Univ of Illinois Sys Off	6,377	88	1,500	3,343	84	500	426	303	0	0	0	133
University of Chicago	104,074	0	193	2,370	0	0	19,312	0	60,018	5,485	16,691	5
Western Illinois Univ	735	50	0	0	0	0	0	0	135	0	550	0
Indiana, total	130,349	9,298	0	5,508	56	257	14,258	1,612	59,013	3,285	37,860	7,202
Ball State University	346	0	0	0	0	0	0	0	211	0	135	0
Butler University	405	11	0	0	0	0	0	335	0	0	59	0
De Pauw University	35	0	0	0	0	0	0	0	0	20	15	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development, by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Indiana, cont'd												
Indiana State University	236	0	0	0	0	0	0	0	0	86	87	63
Indiana University	61,435	0	0	510	0	90	3,363	719	38,572	671	17,140	370
Purdue University	63,167	9,287	0	3,887	56	167	7,216	278	17,313	2,222	15,972	6,769
Rose-Hulman Inst of Tech	256	0	0	0	0	0	0	0	0	0	256	0
St Mary's College	4	0	0	0	0	0	0	0	0	0	4	0
University of Evansville	10	0	0	0	0	0	0	0	0	0	10	0
University of Notre Dame	12,302	0	0	1,111	0	0	3,546	260	2,917	252	4,196	0
Valparaiso University	153	0	0	0	0	0	133	0	0	20	0	0
Iowa, total	106,735	11,490	3,313	2,881	225	320	1,383	635	68,189	4,575	11,332	2,392
Brian Cliff College	21	0	0	0	0	0	0	0	21	0	0	0
Coe College	27	0	0	0	0	0	0	0	0	0	27	0
Dordt College	61	0	0	0	0	0	0	0	0	0	61	0
Drake University	15	0	0	0	0	0	0	0	0	0	15	0
Grinnell College	176	0	0	0	0	0	0	0	0	0	176	0
Iowa State University	28,915	11,417	3,232	880	0	72	825	243	4,259	441	5,155	2,391
Luther College	49	0	0	0	0	0	0	0	16	0	33	0
Maharishi Intl University	352	3	0	0	0	0	0	0	190	0	159	0
Univ of Northern Iowa	357	0	0	0	0	0	0	0	0	0	357	0
University of Iowa	76,762	70	81	2,001	225	248	558	392	63,703	4,134	5,349	1
Kansas, total	44,005	5,139	132	1,465	0	2,113	2,504	1,681	21,472	1,144	5,950	2,405
Bethel College	23	0	0	0	0	0	0	0	23	0	0	0
Kans St U - Ag & App Sci	14,470	5,129	0	574	0	0	2,063	1,628	1,662	45	2,919	352
Kansas City Kansas Cmty C	1	0	0	0	0	0	0	0	0	0	1	0
Southwestern College	25	0	0	0	0	0	0	0	25	0	0	0
St Mary College	13	0	0	0	0	0	0	0	0	0	13	0
Sterling College	10	10	0	0	0	0	0	0	0	0	0	0
University of Kansas	27,212	0	132	768	0	2,113	441	53	19,633	1,026	2,861	185
Wichita State University	2,251	0	0	23	0	0	0	0	131	73	157	1,867
Kentucky, total	38,185	8,634	22	330	224	0	3,270	332	19,116	619	4,898	740
Berea College	67	0	0	0	0	0	0	0	0	0	67	0
Centre College	4	0	0	0	0	0	0	0	0	0	4	0
Eastern Kentucky Univ	36	0	0	0	0	0	0	0	0	0	36	0
Kentucky State University	2,397	2,148	0	0	0	0	0	0	0	7	29	0
Murray State University	96	0	0	0	0	0	0	0	0	0	249	0
Northern Kentucky Univ	215	0	0	0	0	0	0	0	96	0	0	0
University of Kentucky	29,375	6,486	22	227	224	0	93	32	14,406	210	3,802	740
University of Louisville	5,779	0	0	103	0	0	164	87	4,461	402	562	0
Western Kentucky Univ	216	0	0	0	0	0	0	0	121	0	95	0
Louisiana, total	69,265	5,658	3,021	2,303	350	0	2,183	2,615	42,666	894	6,289	3,286
Dillard University	10	0	0	0	0	0	0	0	0	0	0	0
Grambling State Univ	557	0	0	199	0	0	0	0	181	0	137	40
Louisiana State Univ	40,886	3,750	2,996	1,325	350	0	1,704	2,535	22,572	710	4,480	464
Louisiana Tech University	371	146	25	41	0	0	99	0	0	0	60	0
Loyola Univ - New Orleans	4	0	0	0	0	0	0	0	0	0	4	0
LA St Univ System Office	550	0	0	0	0	0	220	0	0	0	0	330
McNeese State University	193	0	0	0	0	0	0	0	0	0	193	0
Northeast Louisiana Univ	170	0	0	0	0	0	0	80	0	23	67	0
Northwest State Univ	36	0	0	0	0	0	0	0	0	36	0	0
Southern U & A&M College	2,079	1,752	0	102	0	0	0	0	25	0	150	50
Tulane University	21,884	0	0	283	0	0	0	0	18,296	118	939	2,248
Univ of Southwestern LA	979	0	0	0	0	0	160	0	399	7	259	154
Xavier University of LA	1,546	0	0	353	0	0	0	0	1,193	0	0	0
Maine, total	10,197	3,053	2,210	213	0	0	77	1,082	608	250	1,931	773
Bates College	176	0	0	0	0	0	0	0	0	0	176	0
Bowdoin College	487	0	0	0	0	0	0	0	0	50	437	0
Colby College	212	0	0	0	0	0	0	0	0	91	121	0
College of the Atlantic	4	0	0	0	0	0	0	0	0	0	4	0
Univ of Maine Augusta	104	0	0	0	0	0	0	0	0	0	104	0
Univ of Maine Orono	6,401	2,860	0	141	0	0	0	0	0	0	0	104
Univ of Maine System Off	2,475	193	2,210	72	0	0	77	1,082	429	109	1,038	665
University of Stn Maine	338	0	0	0	0	0	0	0	179	0	159	0
Maryland, total	589,856	5,999	4,069	22,777	249,924	7,082	10,636	1,941	235,025	17,963	31,082	3,358
Allagany Community Col	4	0	0	0	0	0	0	0	0	0	4	0
Bowie State University	155	0	0	0	35	0	0	0	0	70	50	0
Charles County Cmty Col	9	0	0	0	0	0	0	0	0	0	9	0
Col of Notre Dame of MD	111	0	0	0	0	0	0	0	0	0	111	0
Coppin State College	25	0	0	0	0	0	0	0	25	0	0	0
Essex Community College	28	0	0	0	0	0	0	0	0	0	28	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Maryland, cont'd												
Frostburg State Univ	5	0	0	0	0	0	0	0	0	0	0	5
Johns Hopkins University	470,935	154	237	9,650	247,955	4,992	2,325	333	190,178	4,503	8,460	2,148
Loyola College	663	0	0	125	0	0	0	0	0	0	538	0
Morgan State University	1,041	0	0	0	0	0	130	0	0	386	401	124
Prince Georges Cmty Col	122	0	0	0	0	0	0	0	0	0	122	0
Towson State University	655	0	0	0	0	0	0	0	0	0	655	0
U of MD Baltimore County	4,018	0	0	43	0	0	36	0	2,090	240	1,514	95
U of MD Center for Eas	121	0	0	0	0	0	0	121	0	0	0	0
U of MD Eastern Shore	1,886	1,445	0	0	0	0	130	0	0	0	311	0
U of MD University Coll	20	0	0	0	0	0	0	0	0	0	0	0
Univ of Maryland Sys Off	4,162	560	0	3,122	726	0	30	0	400	0	735	50
Univ of MD Balt Prof Sch	41,100	0	0	1,518	0	226	464	37,431	12,755	18,080	936	0
Univ of MD College Park	64,723	3,820	3,832	8,319	1,208	2,090	7,759	1,023	4,901	0	16	0
Washington College	16	0	0	0	0	0	0	0	0	0	16	0
Western Maryland College	57	0	0	0	0	0	0	0	0	0	57	0
Massachusetts, total	635,891	15,021	4,896	89,056	12,975	2,725	60,385	5,715	283,414	28,923	124,325	8,456
Amherst College	960	0	0	0	0	0	0	0	354	0	606	0
Bentley College	190	0	0	0	0	0	0	0	0	0	190	0
Boston College	3,581	0	0	0	0	0	108	2,070	181	866	356	0
Boston University	59,380	0	100	2,392	3,966	1,052	2,331	100	41,385	988	7,066	0
Brandeis University	17,642	0	0	150	0	73	594	0	11,902	334	4,089	500
Clark University	1,456	0	0	134	0	0	91	50	90	0	504	587
Col of the Holy Cross	65	0	0	0	0	0	0	0	186	0	0	0
Emerson College	186	0	0	0	0	0	0	0	51	0	137	0
Hampshire College	188	0	0	0	0	0	0	0	0	0	188	0
Harvard University	148,055	0	65	5,509	1,500	500	5,317	935	108,223	3,801	19,361	2,844
Hellenic Col Holy Cross	108	0	0	0	0	0	0	0	108	0	0	0
Lesley College	347	0	0	0	0	0	0	0	0	0	347	0
Mass Inst of Technology	218,318	0	2,791	48,311	857	657	46,852	533	52,337	20,894	41,692	3,394
Mass State Col Sys Off	555	0	0	0	0	0	555	0	0	0	0	0
Harrimack College	28	0	0	0	0	0	0	0	0	0	28	0
Mount Holyoke College	958	0	0	0	0	66	60	0	42	52	738	0
Northeastern University	10,754	0	0	348	1,501	0	453	0	3,825	82	4,399	146
Radcliffe College	499	0	0	233	0	0	0	0	180	0	86	0
Regis College	131	0	0	0	0	0	0	0	0	0	0	0
Salem State College	25	0	0	0	0	0	0	0	25	0	0	0
Simmons College	414	0	0	0	0	0	0	0	362	0	52	0
Simon's Rock	99	0	0	0	0	0	0	0	25	0	74	0
Smith College	987	0	42	0	0	0	0	0	460	0	485	0
Southeastern Mass Univ	928	709	0	0	0	0	0	0	0	0	219	0
Tufts University	39,142	11,303	0	381	0	128	1,017	3,239	21,610	30	1,403	31
Univ of Mass System Off	328	112	216	0	0	0	0	0	0	0	0	0
University of Lowell	6,635	0	0	1,462	3,619	0	115	0	1,046	40	353	0
University of Massachuset	66,811	2,897	40	8,697	347	249	2,273	445	37,831	1,764	11,996	272
Wellesley College	1,607	0	0	97	0	0	0	0	712	119	520	159
Wentworth Inst of Tech	1,609	0	0	506	1,103	0	0	0	0	0	0	0
Western New England Col	95	0	0	10	0	0	0	0	0	0	85	0
Wheaton College	32	0	0	0	0	0	0	0	0	32	0	0
Wheelock College	377	0	0	0	0	0	0	0	20	0	357	0
Williams College	711	0	0	0	0	0	0	0	153	45	513	0
Woods Hole Oceanogrphic Inst	50,751	0	1,623	20,420	82	0	601	381	224	407	27,175	0
Worcester Poly Institute	1,939	0	19	275	0	126	4	193	154	190	919	167
Michigan, total	274,276	14,228	1,704	15,678	907	3,503	11,846	2,358	155,239	13,884	48,718	6,211
Albion College	166	0	0	0	0	0	0	0	0	0	166	0
Andrews University	65	0	0	0	0	0	0	0	0	0	65	0
Calvin College	51	0	0	0	0	0	0	0	0	0	51	0
Central Michigan Univ	18	8	0	0	0	0	0	0	253	0	106	0
Eastern Michigan Univ	359	0	0	0	0	0	0	0	0	0	211	0
Grand Valley State Univ	211	0	0	0	0	0	0	0	0	0	182	0
GMI Engr/Management Inst	182	0	0	0	0	0	0	0	103	0	386	0
Hope College	489	0	0	0	0	0	0	0	0	0	68	0
Lawrence Technical Univ	68	0	0	0	0	0	0	0	25	0	0	0
Marygrove College	25	0	0	0	0	0	0	0	0	0	0	0
Michigan State University	56,619	12,815	116	1,932	26	1,960	3,440	404	14,495	634	17,977	2,820
Michigan Tech University	4,603	310	0	1,172	595	0	99	104	87	216	1,237	783
Northern Michigan Univ	2	2	0	0	0	0	0	0	0	0	0	0
Oakland Community College	88	0	0	45	0	0	43	0	0	0	0	0
Oakland University	2,110	0	0	0	0	0	0	0	1,879	0	231	0
Saginaw Valley State Col	2,800	0	0	0	0	0	0	0	0	2,800	0	0
University of Detroit	64	0	0	0	0	0	0	0	0	0	64	0
University of Michigan	176,620	1,079	1,588	11,573	211	464	7,878	1,775	114,759	9,849	24,904	2,540
Wayne State University	27,689	0	0	911	75	0	300	0	23,440	195	2,700	68
Western Michigan Univ	2,047	14	0	45	0	1,079	86	75	198	190	360	0

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Table B-11. Federal obligations to universities and colleges for research and development,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Minnesota, total	141,748	7,242	741	9,733	324	367	4,560	1,303	92,215	3,181	20,975	1,107
Augsburg College	119	0	0	0	0	0	0	0	0	45	74	0
Bethel College & Seminary	120	0	0	0	0	0	0	0	0	0	120	0
Carleton College	222	32	0	0	0	0	0	0	125	0	65	0
Gustavus Adolphus College	397	0	0	0	0	0	0	0	0	0	397	0
Macalester College	270	0	0	0	0	0	0	0	0	0	270	0
Mankato State University	105	0	0	0	0	0	0	0	92	0	13	0
Minn Cmty Col System Off	329	0	0	0	0	0	0	0	0	0	0	329
Moorhead State University	601	0	0	0	0	74	0	0	0	0	527	0
St Olaf College	548	0	0	0	0	0	0	0	0	0	548	0
St U Sys of Minn-Sys Off	1,437	0	0	0	0	0	0	0	1,437	0	0	0
Univ of Saint Thomas	105	0	0	0	0	0	0	0	80	0	25	0
University of Minnesota	137,495	7,210	741	9,733	324	293	4,560	1,303	90,481	3,136	18,936	778
Mississippi, total	36,277	10,476	1,557	1,845	80	757	5,115	0	8,545	1,251	4,684	1,967
Alcorn State University	1,463	1,463	0	0	0	0	0	0	0	0	0	0
Jackson State University	3,136	0	0	271	0	0	1,811	0	0	248	635	171
Miss Valley State Univ	10	0	0	0	0	0	0	0	0	10	0	0
Miss-Ala Sea Grant Cnstrm	1,533	0	1,533	0	0	0	0	0	0	0	0	0
Mississippi College	38	0	0	0	0	0	0	0	38	0	0	0
Mississippi State Univ	17,128	8,004	24	458	40	757	3,127	0	623	690	3,037	368
Rust College	12	0	0	0	0	0	0	0	0	0	0	0
Univ of Strn Mississippi	1,436	48	0	635	0	0	0	0	110	0	643	0
University of Mississippi	11,521	949	0	481	40	0	177	0	7,774	303	369	1,428
Missouri, total	169,883	8,795	171	3,131	106	810	3,267	237	134,675	3,096	13,352	2,243
Avila College	10	0	0	0	0	0	0	0	10	0	0	0
Central Missouri St Univ	61	0	0	0	0	0	0	0	25	0	36	0
Drury College	15	0	0	0	0	0	0	0	0	0	15	0
Kirksvilla Col Osteo Med	211	0	0	0	0	0	0	0	211	0	0	0
Lincoln University (MO)	1,902	1,873	0	0	0	0	0	0	0	0	0	29
Southeast Missouri St U	646	0	0	0	0	0	0	0	0	0	646	0
Southwest Missouri St U	338	0	0	0	0	0	0	0	0	0	338	0
St Louis Community Col	25	0	0	0	0	0	0	0	25	0	0	0
St Louis University	13,183	0	127	197	0	0	0	0	11,209	55	729	866
Univ of Missouri Columbia	25,258	6,492	0	270	0	0	641	137	13,838	154	3,559	167
Univ of Missouri Kan City	3,600	0	0	105	0	64	106	0	3,051	0	269	5
Univ of Missouri Rolla	3,811	0	0	50	0	0	788	0	99	217	1,490	1,167
Univ of Missouri St Louis	1,647	0	0	65	0	0	0	0	333	30	1,219	0
Univ of Missouri Sys Off	1,258	31	44	428	0	746	0	0	0	0	0	9
Washington University	117,907	399	0	2,016	106	0	1,732	180	105,863	2,640	5,051	0
William Woods College	11	0	0	0	0	0	0	0	11	0	0	0
Montana, total	13,041	2,963	0	239	0	0	51	1,073	2,386	429	5,190	710
Eastern Montana College	91	0	0	0	0	0	0	0	0	0	91	0
Mont Col Minr Sci & Tech	829	0	0	0	0	0	0	333	0	0	351	145
Montana State University	9,356	2,483	0	239	0	0	51	519	1,356	130	4,225	353
University of Montana	2,765	480	0	0	0	0	0	221	1,030	299	523	212
Nebraska, total	29,379	6,559	312	829	0	0	322	57	14,546	678	2,998	3,078
Chadron State College	299	0	0	0	0	0	0	0	0	0	299	0
Creighton University	2,689	0	0	100	0	0	0	0	2,526	0	63	0
Mid Plains Cmty Col Area	1	0	0	0	0	0	0	0	0	0	0	1
Nebraska Wesleyan Univ	44	0	0	0	0	0	0	0	0	0	44	0
U of Neb Med Ctr at Omaha	9,855	0	0	0	0	0	0	0	9,855	0	0	0
U Neb Ctr Admin Sys Off	143	26	0	0	0	0	0	0	0	0	0	117
Univ of Nebraska at Omaha	401	0	0	0	0	0	0	0	122	0	175	104
Univ of Nebraska-Lincoln	15,947	6,533	312	729	0	0	322	57	2,043	678	2,417	2,856
Nevada, total	23,111	1,380	1,453	154	0	0	3,411	6,797	3,429	270	4,353	1,864
Desert Research Institute	4,983	0	504	0	0	0	2,837	535	0	60	1,047	0
U of Nev Sys Adm Sys Off	1,674	0	949	84	0	0	0	0	0	0	641	0
Univ of Nevada - Reno	9,784	1,380	0	70	0	0	574	405	3,429	210	2,446	1,270
Univ of Nevada Las Vegas	6,670	0	0	0	0	0	0	5,857	0	0	219	594
New Hampshire, total	52,386	1,966	2,617	2,712	0	0	1,281	844	27,689	9,195	5,826	256
Dartmouth College	31,409	230	0	2,121	0	0	576	0	25,718	854	1,910	0
Keene State College	91	0	0	0	0	0	0	0	91	0	0	0
Univ of New Hampshire	20,401	1,736	2,617	491	0	0	705	844	1,527	8,341	3,916	224
Univ Sys of N Hamp Sys Of	485	0	0	100	0	0	0	0	353	0	0	32

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Table B-11. Federal obligations to universities and colleges for research and development,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
New Jersey, total	139,264	4,552	2,140	13,574	4,346	1,460	7,939	3,556	67,435	4,980	28,775	505
Drew University	24	0	0	0	0	0	0	0	0	0	24	0
Fairleigh Dickinson Univ	650	0	635	0	0	0	0	0	0	0	0	15
Monmouth College (NJ)	58	0	0	0	0	0	0	0	0	0	58	0
N J Inst of Technology	3,447	0	0	109	0	0	197	1,962	0	0	1,116	63
Princeton University	50,474	0	1,192	8,829	0	0	5,920	700	13,059	4,023	16,635	116
Rider College	147	0	0	0	0	0	0	0	110	37	0	0
Rutgers the St Univ of NJ	44,642	4,433	303	3,147	4,320	1,300	1,227	102	19,027	604	9,934	245
Satton Hall University	153	0	0	0	0	0	45	0	108	0	0	0
Stevens Institute of Tech	1,578	0	10	523	28	160	264	0	0	62	465	66
Univ of Med & Dent of N J	38,066	94	0	966	0	0	286	792	35,131	254	543	0
William Paterson College	25	25	0	0	0	0	0	0	0	0	0	0
New Mexico, total	69,397	2,383	0	5,722	12,390	0	9,985	264	11,859	17,535	8,914	345
N Mex Inst Mining & Tech	4,574	0	0	974	72	0	2,206	0	0	142	1,035	145
New Mexico Highlands Univ	97	0	0	0	0	0	0	0	0	0	0	0
New Mexico State Univ	45,177	2,380	0	3,970	12,248	0	6,135	84	406	16,324	3,462	168
San Juan College	26	0	0	0	0	0	0	0	0	10	0	16
University of New Mexico	19,523	3	0	778	70	0	1,644	180	11,453	1,059	4,320	16
New York, total	851,970	10,908	3,648	50,755	5,551	4,598	44,829	5,887	560,894	20,445	139,658	4,797
Adelphi University	218	0	0	0	0	0	0	0	218	0	0	0
Albany Medical College	6,056	0	0	0	0	0	0	0	5,999	0	57	0
Alfred University	305	0	0	0	0	0	0	0	0	0	306	0
Bank Street Col of Ed	800	0	0	0	0	800	0	0	0	0	0	0
Barnard College	511	0	0	0	0	0	0	0	0	0	0	0
Canisius College	270	0	0	0	0	0	0	0	94	0	176	0
Catholic Medical Center	1,113	0	0	0	0	0	0	0	1,113	0	0	0
Clarkson University	4,544	0	127	629	0	0	389	0	171	1,805	1,325	98
Colgate University	247	0	0	0	0	0	0	0	87	0	160	0
College of New Rochelle	798	0	0	0	0	0	0	0	0	0	798	0
Columbia U Teachers Col	800	0	0	0	0	800	0	0	0	0	0	0
Columbia Univ Main Div	153,171	5	736	8,899	1,164	175	6,807	480	98,778	5,498	29,042	1,587
Columbia Univ Sys Off	903	0	0	0	0	0	0	0	591	0	312	0
Cooper Union	12	0	0	0	0	0	0	0	0	0	12	0
Cornell University	144,749	9,868	282	13,835	0	0	4,445	1,287	64,480	5,345	43,554	1,653
CUNY Bernard Baruch Col	238	0	0	0	0	0	0	0	442	50	750	0
CUNY Brooklyn College	1,242	0	0	0	0	0	749	0	0	138	262	997
CUNY Central Sys Off	2,451	0	0	305	0	0	0	0	0	0	0	0
CUNY City College	10,418	0	0	448	0	0	924	0	3,599	408	5,039	0
CUNY Col Staten Island	439	0	0	158	0	0	0	0	252	0	29	0
CUNY Grad Sch & Univ Ctr	2,112	0	0	0	0	0	0	0	1,658	0	454	0
CUNY H.M. Lehman Coll	581	0	0	0	0	0	0	0	130	0	451	0
CUNY Hunter College	4,048	0	0	0	0	0	100	0	3,326	0	611	11
CUNY Jhn Jay Col Crim Jus	135	0	0	0	0	0	0	0	135	0	0	0
CUNY Mount Sinai Schl Med	43,954	0	0	0	0	291	101	86	43,109	216	151	0
CUNY NY City Tech Col	79	0	0	0	0	0	0	0	0	0	79	0
CUNY Queens College	1,946	0	0	0	0	0	138	0	1,231	0	577	0
Fordham University	1,252	0	0	0	0	0	0	0	1,127	0	125	0
Hamilton College	470	0	0	0	0	0	0	0	62	0	408	0
Hofstra University	235	0	0	29	0	0	0	0	114	92	0	0
Iona College	58	0	0	0	0	0	0	0	0	0	58	0
Ithaca College	335	0	0	25	0	0	0	0	0	0	335	0
Le Moyne College	50	0	0	0	0	0	0	0	0	0	25	0
Long Island University	355	0	0	0	0	0	0	0	0	0	355	0
Manhattan College	497	0	0	0	0	0	18	324	103	0	52	0
Marymount College (NY)	25	0	0	0	0	0	0	0	25	0	0	0
N Y Col of Podiatric Med	43	0	0	0	0	0	0	0	43	0	0	0
Nazareth Col of Rochester	25	0	0	0	0	0	0	0	25	0	0	0
New Sch for Soc Research	435	0	0	0	0	0	0	0	435	0	0	0
New York Medical College	10,080	0	0	0	0	0	74	0	9,808	58	138	2
New York University	75,749	0	0	4,484	0	176	3,933	958	59,067	422	6,709	0
Pace University	273	0	0	0	0	0	0	0	273	0	0	0
Polytechnic University	4,255	0	0	2,704	218	0	184	0	0	180	969	0
Rensselaer Polytech Inst	18,317	0	205	5,196	223	0	2,651	382	1,800	1,695	5,967	198
Rochester Inst Technology	1,806	0	0	0	0	1,602	0	0	0	104	100	0
Rockefeller University	35,423	0	0	146	0	0	1,185	15	33,391	0	686	0
Siena College	79	0	0	0	0	0	0	0	79	0	0	0
St John Fisher College	73	0	0	0	0	0	73	0	0	0	0	0
St John's University (NY)	391	0	0	0	0	0	0	0	387	0	4	0
St Lawrence University	23	8	0	0	0	0	0	0	0	0	15	0
Syracuse University	13,690	177	0	3,058	203	509	1,159	37	5,200	116	3,032	199
SUNY - Hlth Sci Brooklyn	14,334	0	0	0	0	0	0	0	14,168	0	166	0
SUNY - Hlth Sci Syracuse	10,504	0	0	0	0	0	0	0	10,264	0	240	0
SUNY at Albany	18,727	0	2,298	2,952	80	0	1,209	1,842	5,261	635	4,450	0
SUNY at Binghamton	3,278	0	0	0	0	0	136	0	1,472	215	1,455	0
SUNY at Buffalo All Cmps	36,291	0	0	1,725	372	0	694	52	27,119	1,213	5,116	0
SUNY at Stony Brook	45,868	0	0	325	0	0	3,509	0	26,451	1,967	13,564	52

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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
New York, cont'd												
SUNY Ag & Tech Cobleskill	58	0	0	0	0	0	0	0	0	0	58	0
SUNY Col at Old Westbury	318	0	0	0	0	0	0	0	0	0	72	0
SUNY Col of Env Sci & For	654	388	0	0	0	0	0	0	0	0	266	0
SUNY College at Purchase	206	0	0	0	0	0	0	0	0	0	161	0
SUNY College Brockport	375	0	0	0	0	0	0	0	0	45	375	0
SUNY College Buffalo	724	0	0	455	0	0	0	0	0	0	269	0
SUNY College Cortland	101	0	0	0	0	0	0	0	0	0	101	0
SUNY College Genesee	154	0	0	0	0	0	0	0	0	0	154	0
SUNY College New Paltz	183	0	0	0	0	0	0	0	135	0	48	0
SUNY College Oswego	18	0	0	0	0	0	0	0	0	0	18	0
SUNY College Plattsburgh	514	0	0	0	0	0	42	0	221	30	221	0
SUNY College Potsdam	188	0	0	0	0	0	0	0	0	0	188	0
SUNY Fashion Inst Tech	1,708	0	0	0	1,708	0	0	0	0	0	0	0
SUNY Hudson Val Cmty Col	100	0	0	0	0	0	0	0	0	0	100	0
SUNY Inst Tech Utica-Rome	84	0	0	0	0	0	0	0	66	0	18	0
SUNY St Col of Optometry	154	0	0	0	0	0	0	0	154	0	0	0
SUNY System Office	996	345	0	0	0	0	0	424	0	0	227	0
Un of NY Regents Col Deg	102	0	0	0	0	0	0	0	0	0	102	0
Union College (NY)	36	0	0	0	0	0	0	0	0	0	36	0
University of Rochester	102,453	117	0	5,146	1,583	170	16,309	0	70,798	195	8,133	0
Vassar College	717	0	0	0	0	0	0	0	319	0	398	0
Yeshiva University	67,045	0	0	234	0	75	0	0	66,322	0	414	0
North Carolina, total	305,255	12,150	871	15,597	2,728	1,765	6,958	6,762	213,230	7,315	32,061	5,018
Appalachian St University	653	0	0	0	0	0	0	110	100	0	443	0
Bennett College (NC)	106	0	0	0	0	0	0	0	106	0	0	0
Campbell University	8	8	0	0	0	0	0	0	0	0	0	0
Duke University	116,109	505	167	3,158	2,085	0	3,986	1,552	93,949	765	9,942	0
East Carolina University	3,406	0	0	557	0	0	0	0	2,750	0	99	0
Elizabeth City State Univ	88	0	0	0	0	0	0	0	0	0	88	0
Haywood Technical Inst	1	1	0	0	0	0	0	0	0	0	0	0
Johnson C Smith Univ	7	7	0	0	0	0	0	0	0	0	0	0
N C State Univ at Raleigh	43,466	9,081	353	7,160	577	580	1,816	1,679	5,111	3,979	9,709	3,501
North Carolina Cntrl Univ	395	0	0	357	0	0	0	0	0	0	0	0
NC Ag & Tech State Univ	6,078	2,413	0	1,026	30	0	77	75	100	1,653	554	150
Queens College	5	0	0	0	0	0	0	0	0	0	0	0
Shaw University	20	20	0	0	0	0	0	0	0	0	0	0
Univ of N C at Asheville	39	0	0	0	0	0	0	0	0	0	39	0
Univ of N C at Charlotte	1,750	0	70	40	36	0	93	0	262	100	1,149	0
Univ of N C at Greensboro	1,688	0	0	48	0	73	0	0	943	0	624	0
Univ of N C at Wilmington	657	0	0	0	0	0	0	0	121	0	536	0
Univ of N C Sys Off	1,490	0	0	176	0	0	0	0	0	0	0	1,314
Univ of NC at Chapel Hill	100,183	115	33	2,866	0	1,192	818	3,308	82,369	528	8,906	48
Wake Forest University	29,019	0	248	209	0	0	168	0	27,419	290	665	0
Western Carolina Univ	87	0	0	0	0	0	0	0	0	0	87	0
North Dakota, total	22,429	5,830	519	550	0	0	8,819	826	847	62	1,124	3,852
Fort Bethold Cmty College	2	0	0	0	0	0	0	0	0	0	0	2
North Dakota State Univ	7,297	4,885	0	550	0	0	0	0	0	0	0	0
University of N Dakota	15,130	945	519	0	0	0	8,819	826	847	62	656	1,206
Ohio, total	252,157	8,112	984	31,182	5,257	617	5,772	3,387	134,894	19,800	30,580	11,564
Baldwin-Wallace College	41	0	0	0	0	0	0	0	0	41	0	0
Bowling Green State Univ	1,091	0	0	0	0	0	55	0	439	0	597	0
Capital University	42	0	0	0	0	0	0	0	0	0	42	0
Casa Western Reserve Univ	71,263	0	0	3,682	0	500	407	347	54,114	6,598	5,615	0
Central State University	605	0	0	0	301	0	11	0	76	145	72	0
Cleveland State Univ	4,122	0	0	0	0	0	0	0	1,288	2,834	0	0
Col Mt St Joseph-on-Ohio	83	0	0	0	0	0	0	0	83	0	0	0
College of Wooster	154	0	0	0	0	0	0	0	0	0	154	0
Cuyahoga Cmty Col Dist	24	0	0	0	0	0	0	0	0	24	0	0
Denison University	86	0	0	0	0	0	45	0	0	41	0	0
Heidelberg College	28	0	0	0	0	0	0	0	0	28	0	0
John Carroll University	318	0	0	0	0	0	0	0	0	0	0	0
Kent State University	3,727	0	15	361	0	71	112	0	992	335	1,841	0
Kanyn College	416	0	0	0	0	0	0	0	24	55	337	0
Lorain County Cmty Col	44	0	0	0	0	0	0	0	0	44	0	0
Med Col of Ohio at Toledo	5,885	0	0	0	0	0	0	0	5,616	0	71	0
Miami University (Ohio)	1,950	219	0	235	0	0	13	81	203	50	1,149	0
Muskingum Area Tech Col	28	0	0	0	0	0	0	0	0	0	28	0
Notre Dame College (OH)	100	0	0	0	0	0	0	0	0	0	100	0
NE Ohio Univs Med School	632	0	0	0	0	0	0	0	632	0	0	0
Oberlin College	307	0	0	0	0	0	0	0	84	25	198	0
Ohio Northern University	5	0	0	0	0	0	0	0	0	0	5	0
Ohio State University	80,401	7,781	909	4,205	342	0	4,088	1,465	33,191	4,568	14,511	9,341
Ohio University	4,233	102	0	525	0	0	425	0	723	235	684	1,539
Ohio Wesleyan University	105	0	0	101	0	0	0	0	0	0	4	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development, by State, institution, and agency: fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Ohio, cont'd												
University of Akron	4,018	0	0	50	0	0	208	92	1,057	1,300	1,158	153
University of Cincinnati	38,674	0	0	2,476	0	46	295	565	30,270	2,118	2,594	310
University of Dayton	23,852	0	80	18,147	4,330	0	0	548	87	154	473	53
University of Toledo	2,602	0	0	0	0	0	113	0	1,248	871	207	163
Wilberforce University	10	10	0	0	0	0	0	0	0	0	0	0
Wittenberg University	70	0	0	0	0	0	0	0	0	70	0	0
Wright State University	7,147	0	0	1,400	284	0	0	91	4,673	70	629	0
Youngstown St University	94	0	0	0	0	0	0	0	94	0	0	0
Oklahoma, total	35,866	5,986	950	2,556	1,907	129	6,445	700	11,372	164	4,979	678
East Central University	167	0	0	0	0	0	0	167	0	0	0	0
Langston University	1,197	1,183	0	0	0	0	0	0	0	0	0	14
Northeastern State Univ	95	0	0	0	0	0	0	0	95	0	0	0
Okla Col Osteo Med & Surg	100	0	0	0	0	0	0	0	100	0	0	0
Oklahoma State University	15,052	4,803	0	1,804	1,907	0	3,388	100	733	0	1,950	367
Univ Sci & Arts of Okla	76	0	0	0	0	76	0	0	0	0	0	0
University of Oklahoma	17,802	0	950	752	0	0	2,670	295	10,201	184	2,473	297
University of Tulsa	1,377	0	0	0	0	53	387	138	243	0	556	0
Oregon, total	95,772	9,375	2,539	8,532	0	2,889	4,107	1,452	42,061	2,251	18,858	3,708
Eastern Oregon St College	397	0	0	0	0	0	0	0	0	0	397	0
Lewis & Clark College	93	0	0	0	0	0	0	0	0	0	93	0
Linfield College	105	0	0	0	0	0	0	0	0	0	105	0
Oregon Grad Inst Sci Tech	3,608	355	0	127	0	0	897	149	766	119	545	850
Oregon Hlth Sciences Univ	25,344	0	0	655	0	0	0	0	24,334	0	355	0
Oregon Institute of Tech	225	0	0	0	0	0	225	0	0	0	0	0
Oregon State University	44,542	8,856	2,509	6,374	0	0	1,136	1,249	8,260	1,948	11,493	2,717
Portland Community Col	3	0	0	0	0	0	0	0	0	0	0	3
Portland State University	2,286	14	30	0	0	742	110	0	509	0	881	0
Reed College	418	0	0	0	0	0	26	0	354	10	28	0
Southern Oregon St Col	5	0	0	0	0	0	0	0	0	0	5	0
Southwestern Oreg Cmty Col	3	0	0	0	0	0	0	0	0	0	0	3
University of Oregon Main	18,251	150	0	1,376	0	1,909	1,713	0	7,838	174	4,956	135
University of Portland	54	0	0	0	0	0	0	54	0	0	0	0
Western Oregon State Coll	238	0	0	0	0	238	0	0	0	0	0	0
Pennsylvania, total	536,674	8,384	780	57,981	58,552	5,147	18,707	3,910	294,998	12,796	66,056	9,363
Allegheny College	112	0	0	0	0	0	0	0	62	0	50	0
Bloomsburg Univ of Penn	49	0	0	0	0	0	0	0	0	0	49	0
Bryn Mawr College	629	0	0	0	0	0	0	0	389	0	240	0
Bucknell University	219	0	0	0	0	0	0	0	125	0	94	0
Cabrini College	52	0	0	0	0	0	0	0	0	0	52	0
Carnegie-Mellon Univ	50,025	125	0	14,078	8,373	0	3,873	0	5,986	2,778	14,389	423
Chestnut Hill College	152	0	0	0	0	0	0	0	0	0	152	0
Cnty Col of Philadelphia	2	0	0	0	0	0	0	0	0	0	0	2
Dickinson College	127	0	0	0	0	0	0	0	0	0	127	0
Drexel University	7,155	0	10	1,633	40	0	384	493	1,651	562	2,452	10
Duquesne University	80	0	0	0	0	0	0	0	80	0	0	0
Edinboro Univ of Penn	83	0	0	0	0	0	0	0	83	0	0	0
Franklin & Marshall Col	443	0	0	0	0	0	0	0	0	0	443	0
Gettysburg College	181	0	0	0	0	0	0	0	122	0	59	0
Hahnemann University	6,795	0	0	643	0	0	0	0	6,140	0	12	0
Haverford College	593	0	0	0	0	0	0	0	103	0	490	0
Indiana Univ of Penn	235	0	0	0	0	0	0	0	85	0	150	0
Juniate College	186	0	0	0	0	0	0	0	0	0	186	0
Kutztown Univ of Penn	66	0	0	0	0	0	0	0	66	0	0	0
La Salle University	73	0	0	73	0	0	0	0	0	0	0	0
Lafayette College	12	0	0	0	0	0	0	0	0	0	12	0
Lehigh University	10,825	44	266	2,102	0	159	1,693	300	828	237	5,156	40
Lincoln University (PA)	661	17	0	395	0	0	0	103	106	0	40	0
Millersville Univ of Penn	36	0	0	0	0	0	0	0	0	0	36	0
Pennsylvania Col Optomet	692	0	0	0	0	246	0	0	446	0	0	0
Pennsylvania State Univ	136,754	7,899	360	23,185	41,769	96	3,909	473	30,408	7,503	15,261	6,091
Phila Col of Pharm & Sci	314	0	0	0	0	0	0	0	314	0	0	0
Phila Col Osteopathic Med	74	0	0	0	0	0	0	0	74	0	0	0
Susquehanna University	9	0	0	0	0	0	0	0	0	0	9	0
Swarthmore College	1,364	0	0	0	0	0	0	0	0	51	1,313	0
Temple University	26,098	100	0	660	0	274	335	0	22,716	45	1,938	30
The Medical Col of Penna	12,588	0	0	123	0	0	0	0	12,465	0	0	0
Thomas Jefferson Univ	22,195	44	0	1,042	0	605	0	0	18,258	0	171	2,075
Univ of Pennsylvania	142,509	303	81	11,003	0	1,105	6,004	0	108,854	478	14,168	513
University of Pittsburgh	114,262	52	63	3,000	8,370	2,662	2,589	2,475	85,235	1,046	8,726	44
Villanova University	767	0	0	0	0	0	0	0	468	96	68	135
West Chester Univ of Penn	44	0	0	44	0	0	0	0	0	0	0	0
Westminster College (PA)	153	0	0	0	0	0	0	0	0	0	153	0
Widener University	60	0	0	0	0	0	0	0	0	0	60	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development, by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Rhode Island, total	51,828	1,233	2,695	10,048	174	0	3,305	617	16,213	2,195	13,786	1,562
Brown University	33,342	0	62	7,051	0	0	3,265	0	12,893	1,244	8,531	296
Rhode Island College	747	0	0	0	0	0	0	0	20	0	27	0
Univ of Rhode Island	18,439	1,233	2,633	2,997	174	0	40	617	3,300	951	5,228	1,266
South Carolina, total	42,705	5,705	431	1,831	1,604	220	1,459	1,118	22,093	941	6,986	317
Baptist Col at Charleston	50	0	0	0	0	0	0	0	0	0	50	0
Benedict College	41	0	0	0	0	0	0	0	25	0	16	0
Citadel Military Col S C	195	0	0	0	0	0	0	0	0	16	0	0
Claflin College	195	0	0	0	0	0	0	0	0	0	0	0
Clemson University	10,437	4,312	71	937	1,456	0	146	0	49	0	0	0
College of Charleston	13	0	0	0	0	0	0	248	630	892	1,488	273
Erskine College	50	0	0	0	0	0	0	0	0	0	0	0
Francis Marion College	74	0	0	0	0	0	0	0	0	0	50	0
Furman University	234	0	0	0	0	0	0	0	67	0	74	0
Mad Univ of So Carolina	13,779	170	0	0	0	107	0	0	13,274	0	167	0
South Carolina St College	1,536	1,223	0	100	0	0	65	0	0	11	228	0
SC Sea Grant Consortium	16,303	0	30	0	0	0	0	0	0	0	137	0
Univ of South Carolina	14	0	0	0	0	0	0	0	0	0	0	0
Voorhees College	113	0	0	0	0	0	14	0	0	0	0	0
Winthrop College	113	0	0	0	0	113	0	0	0	0	0	0
South Dakota, total	5,791	2,430	0	30	0	0	0	0	627	372	1,798	534
Augustana College	102	0	0	0	0	0	0	0	0	0	102	0
Northern State University	10	0	0	0	0	0	0	0	0	0	10	0
Oglala Lakota College	178	0	0	0	0	0	0	0	178	0	0	0
S Dak Sch Mines & Tech	1,971	0	0	0	0	0	0	0	0	346	1,466	159
South Dakota State Univ	3,051	2,430	0	0	0	0	0	0	74	0	200	347
U of S D System Office	48	0	0	30	0	0	0	0	0	0	0	18
Univ of South Dakota	431	0	0	0	0	0	0	0	375	26	30	0
Tennessee, total	133,724	7,431	0	5,060	0	904	13,998	863	88,097	4,918	9,419	1,291
David Lipscomb University	20	0	0	0	0	0	0	0	0	0	20	0
East Tennessee State Univ	1,016	0	0	0	0	0	0	0	787	0	229	0
Fisk University	707	0	0	0	0	0	0	0	0	491	66	150
Le Moyne-Owen College	270	0	0	0	0	0	0	0	0	0	220	0
Meharry Medical College	6,608	0	0	514	84	0	155	203	4,147	0	1,505	0
Memphis State University	3,291	0	0	264	0	0	135	105	1,575	60	349	803
Middle Tennessee St Univ	146	0	0	0	0	0	46	0	100	0	0	0
Nashville State Tech Inst	20	0	0	0	0	0	0	0	0	0	20	0
Southern Col of Optometry	60	0	0	0	0	0	0	0	60	0	0	0
Tenn Technological Univ	750	0	0	0	0	121	110	47	15	355	102	0
Tennessee State Univ	3,988	2,046	0	50	0	0	14	0	1,359	348	171	0
Travessa Nazarene College	17	0	0	0	0	0	0	0	0	0	17	0
Univ of Tenn System Off	1,487	0	0	733	659	0	70	0	25	0	0	0
Univ of Tennessee All Cmp	44,759	5,385	0	1,183	0	0	11,643	445	20,419	1,619	3,879	206
Vanderbilt University	70,585	0	0	3,336	0	904	1,814	0	59,528	2,385	2,588	30
Texas, total	469,460	21,839	4,358	36,334	22,805	1,142	26,584	4,281	264,463	29,162	48,276	10,216
Ablene Christian Univ	84	0	0	0	0	0	84	0	0	0	0	0
Baylor Col of Dentistry	715	0	0	0	0	0	0	0	715	0	0	0
Baylor Col of Medicine	72,260	7,962	0	677	0	757	384	0	61,753	727	0	0
Baylor University	1,823	0	0	0	406	0	0	0	843	5	566	3
Del Mar College	60	0	0	0	0	0	0	0	0	0	60	0
Houston Community College	173	0	0	0	0	0	0	0	0	0	0	0
Jarvis Christian College	125	0	0	50	0	0	173	0	75	0	0	0
Lamar University - Beaumo	1,718	0	0	0	0	0	0	1,590	0	107	21	0
Midwestern State Univ	38	5	0	0	0	0	0	0	0	0	33	0
Paul Quinn College	25	0	0	0	0	0	0	0	25	0	0	0
Prairie View A & M Univ	3,296	2,529	0	20	0	0	315	0	0	331	101	0
Rice University	15,015	0	106	2,110	0	0	2,001	520	2,288	1,762	6,196	32
Sam Houston State Univ	30	20	0	0	0	0	0	0	0	10	0	0
Southern Methodist Univ	6,549	0	0	4,981	0	0	184	0	750	87	567	0
Southwest Texas St Univ	652	0	0	0	0	0	0	82	501	53	16	0
St Edward's University	25	0	0	0	0	0	0	0	25	0	0	0
St Mary's Univ S Antonio	300	0	0	0	0	0	0	0	0	0	300	0
Stephen F Austin St Univ	222	222	0	0	0	0	0	0	0	0	0	0
Tarleton State University	53	0	0	0	0	0	0	0	0	0	53	0
Texas A & I University	230	15	0	0	0	0	66	0	79	40	0	0
Texas A & M Univ Sys Off	6,221	0	0	525	0	0	0	0	0	187	0	5,509
Texas A & M University	47,221	10,760	4,162	3,006	80	0	4,738	226	7,989	3,127	12,655	478
Texas Christian Univ	2,688	0	0	170	0	0	0	0	2,262	0	266	0
Texas Col of Osteo Med	2,488	0	0	0	0	0	0	0	2,299	60	129	0
Texas Southern Univ	1,795	0	0	0	0	0	20	0	1,280	461	29	5
Texas Tech University	5,602	74	0	991	191	0	483	590	2,187	200	886	0
Texas Women's University	392	0	0	0	0	150	0	0	236	0	5	1

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(Dollars in thousands)

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Texas, cont'd												
Trinity University	562	0	0	35	0	0	0	0	249	0	278	0
U of Houston Downtown Col	996	0	0	0	0	0	771	225	0	0	0	0
U of Houston Sys Off	706	0	24	564	0	0	118	0	0	0	0	0
U of Houston Univ Park	13,370	30	0	1,774	0	0	817	0	3,947	4,456	2,321	25
U of Texas at San Antonio	1,608	0	0	0	0	0	0	0	89	102	1,417	0
U of TX - Pan America	176	0	0	82	0	0	0	0	94	0	0	0
U Tex Hlth Sci Ctr Houston	29,943	80	0	0	0	0	0	0	28,877	674	312	0
U Tex Hlth Sci Ctr S Anto	33,306	0	0	108	278	0	0	0	32,281	0	639	0
U Tex Med Brnch Galveston	20,404	0	0	130	0	0	0	178	19,500	389	207	0
U Tex Sw Med Ctr - Dallas	50,504	0	0	125	0	0	0	0	48,789	1,208	382	0
U TX MD Anderson Cntr Ctr	30,650	0	0	0	0	0	18	146	30,322	0	164	0
Univ of North Texas	1,647	0	0	552	150	123	20	51	348	0	553	0
Univ of Tex at Arling-on	1,929	0	0	962	0	0	0	25	197	218	377	0
Univ of Texas at Austin	93,401	142	66	17,886	21,446	0	15,584	648	13,401	6,397	14,573	3,258
Univ of Texas at Dallas	5,331	0	0	1,374	0	112	119	0	987	1,281	1,458	0
Univ of Texas at El Paso	4,488	0	0	232	254	0	111	0	491	70	3,202	128
Univ of Texas System Off	2,835	0	0	0	0	0	578	0	1,480	0	0	777
Univ Houston Ctr Lake City	7,456	0	0	0	0	0	0	0	104	7,210	142	0
University of Dallas	225	0	0	0	0	0	0	0	0	0	225	0
Wiley College	113	0	0	0	0	0	0	0	0	0	113	0
Utah, total	122,880	2,957	0	15,401	32,968	384	5,465	1,038	47,417	1,697	13,396	2,157
Brigham Young University	4,893	107	0	254	0	0	841	138	867	0	2,686	0
University of Utah	65,250	161	0	4,449	134	87	4,501	384	44,655	697	8,583	1,599
Utah State University	52,713	2,689	0	10,698	32,834	297	123	516	1,895	1,000	2,103	558
Weber State University	24	0	0	0	0	0	0	0	0	0	24	0
Vermont, total	31,687	2,980	0	203	152	0	588	0	26,000	116	1,504	144
Middlebury College	242	0	0	54	0	0	0	0	0	76	112	0
Normich University	43	0	0	0	0	0	0	0	0	25	18	0
Univ of VT & St Agric Col	31,402	2,980	0	149	152	0	588	0	26,000	15	1,374	144
Virginia, total	166,017	6,974	3,379	13,213	1,426	2,006	11,550	2,006	80,710	16,604	19,933	8,216
College of William & Mary	5,157	0	941	204	0	0	262	219	151	1,343	2,037	0
Eastern Shore Cmty Col	350	0	0	0	0	0	0	0	0	0	0	350
Eastern VA Medical School	6,089	0	0	0	0	0	0	0	1,800	139	0	4,150
George Mason University	3,789	0	138	1,528	0	0	110	0	534	119	975	385
Hampden-Sydney College	54	0	0	0	0	0	54	0	0	0	0	0
Hampton University	5,094	0	0	1,098	101	0	309	0	429	1,963	1,191	3
James Madison University	184	0	0	0	0	0	0	0	0	0	184	0
Longwood College	35	0	0	0	0	0	0	0	0	35	0	0
Mary Baldwin College	12	0	0	0	0	0	0	0	0	0	12	0
Mountain Empire Cmty Col	25	0	0	0	0	0	0	0	0	0	25	0
Norfolk State University	205	0	0	0	0	0	56	0	0	147	0	0
Old Dominion University	6,193	0	0	202	0	0	457	0	172	3,999	1,363	0
Southside VA Cmty College	101	0	0	0	0	0	0	0	0	0	101	0
Thomas Nelson Cmty Col	15	0	0	0	0	0	0	0	0	15	0	0
Tidewater Community Col	371	0	0	0	371	0	0	0	0	0	0	0
University of Richmond	346	0	0	0	0	0	105	0	172	38	31	0
University of Virginia	60,796	1	2,139	4,281	683	1,346	2,812	569	35,100	4,238	8,945	682
Virginia Commonwealth Univ	42,678	0	0	924	0	660	242	152	39,751	411	538	0
Virginia Military Inst	25	0	24	0	0	0	0	0	0	0	1	0
Virginia State University	2,205	1,471	0	0	95	0	354	0	97	188	0	0
VA Polytech Inst & St U	32,239	5,502	137	4,976	176	0	6,787	1,066	2,504	3,969	4,476	2,646
Washington & Lee Univ	54	0	0	0	0	0	0	0	0	0	54	0
Washington, total	240,010	8,468	5,183	22,750	618	819	9,840	1,780	148,170	7,138	32,251	3,001
Eastern Washington Univ	295	0	0	0	0	0	0	0	103	162	0	30
Evergreen State College	259	0	0	0	0	0	0	0	0	0	259	0
Gonzaga University	184	0	0	0	0	0	0	0	85	0	99	0
Heritage College	25	0	0	0	0	0	0	0	25	0	0	0
Seattle Pacific Univ	24	0	0	0	0	0	0	0	0	0	24	0
Spokane Falls Cmty Col	8	0	0	0	0	0	0	0	0	0	8	0
University of Puget Sound	103	0	0	0	0	0	0	0	0	37	65	1
University of Washington	217,291	2,404	5,111	21,167	610	819	7,745	1,230	141,776	6,681	27,041	2,707
Walla Walla College	25	0	0	0	0	0	0	0	25	0	0	0
Washington State Univ	20,550	6,864	72	1,187	0	0	2,095	489	6,067	258	4,063	255
Western Washington Univ	1,210	0	0	396	0	0	0	61	89	0	664	0
Whitman College	36	0	0	0	0	0	0	0	0	0	36	0
West Virginia, total	22,240	4,225	0	211	0	0	5,278	1,934	5,503	359	1,333	3,397
Beckley College	958	0	0	0	0	0	958	0	0	0	0	0
Bethany College (WV)	89	0	0	0	0	0	0	0	0	0	89	0
Bluefield State College	50	0	0	0	0	0	0	0	0	0	0	50
Fairmont State College	33	0	0	0	0	0	0	0	0	0	33	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-11. Federal obligations to universities and colleges for research and development, by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
West Virginia, cont'd												
Marshall University	1,600	25	0	0	0	0	0	0	1,567	0	8	0
Shepherd College	74	0	0	0	0	0	0	0	0	74	0	0
West Virginia State Col	242	0	0	0	0	0	0	0	0	68	0	154
West Virginia University	19,194	4,200	0	211	0	0	4,320	1,934	3,936	197	1,203	3,193
Wisconsin, total	198,712	7,778	2,345	7,729	57	2,573	16,647	994	107,744	13,063	36,789	2,993
Beloit College	133	0	0	0	0	0	0	0	0	133	0	0
Inst of Paper Sci & Tech	1,112	0	0	0	0	0	1,112	0	0	0	0	0
Lawrence University	165	0	0	0	0	0	0	0	0	0	165	0
Marquette University	2,871	200	0	71	0	0	82	34	1,069	373	1,042	0
Medical College of Wis	21,747	75	0	0	0	0	0	193	20,491	287	353	346
St Norbert College	14	0	0	0	0	0	0	0	0	14	0	0
Univ of Wis-Center System	515	0	0	0	0	0	515	0	0	0	0	0
Univ of Wis-Eau Claire	60	0	0	0	0	0	0	0	0	0	60	0
Univ of Wis-Green Bay	224	0	0	0	0	0	0	0	0	0	0	224
Univ of Wis-La Crosse	46	0	0	0	0	0	0	0	0	0	0	46
Univ of Wis-Madison	155,175	7,430	126	4,933	57	0	14,717	392	83,506	12,228	31,510	276
Univ of Wis-Milwaukee	7,625	0	0	1,370	0	0	205	0	2,241	28	2,309	1,472
Univ of Wis-Oshkosh	88	0	0	0	0	0	0	0	0	0	88	0
Univ of Wis-Parkside	379	0	0	79	0	0	0	0	232	0	66	0
Univ of Wis-River Falls	386	0	0	0	0	0	0	0	0	0	386	0
Univ of Wis-Stevens Point	191	0	0	0	0	0	0	0	0	0	189	2
Univ of Wis-Stout	673	0	0	0	0	673	0	0	0	0	0	0
Univ of Wis-Superior	479	0	0	0	0	0	0	375	0	0	104	0
Univ of Wis-Whitewater	43	0	0	0	0	0	0	16	0	0	27	0
Univ of Wisconsin Sys Off	6,786	73	2,219	1,276	0	1,900	0	0	205	0	455	658
Wyoming, total	9,731	1,632	0	1,042	0	32	324	70	1,004	259	4,545	823
Northwest College	38	0	0	0	0	0	0	0	0	0	38	0
University of Wyoming	9,677	1,632	0	1,042	0	32	324	70	1,004	259	4,507	807
Western Wyoming Cmty Col	16	0	0	0	0	0	0	0	0	0	0	16
Guam, total	1,320	1,004	58	0	0	0	0	0	97	0	57	104
University of Guam	1,320	1,004	58	0	0	0	0	0	97	0	57	104
Puerto Rico, total	18,000	4,110	594	535	27	0	27	0	8,135	200	4,268	104
Ponce School of Medicine	2,181	0	0	0	0	0	0	0	2,181	0	0	0
U Ctrl Del Caribe Esc Med	359	0	0	0	0	0	0	0	359	0	0	0
U P R - Regional Col Admn	373	0	0	0	0	0	0	0	0	0	373	0
Univ of the Sacred Heart	39	0	0	0	0	0	0	0	0	0	39	0
Univ of P R-Humacao U Col	13	0	0	0	0	0	0	0	0	0	13	0
Univ of P R-Mayaguez	6,248	4,110	0	143	27	0	27	0	0	200	1,637	104
Univ of P R-Med Sci Cmpus	5,691	0	0	221	0	0	0	0	5,458	0	12	0
Univ of P R-Rio Piedras	218	0	0	81	0	0	0	0	137	0	0	0
Univ of Puerto Rico Syste	2,878	0	594	90	0	0	0	0	0	0	2,194	0
American Samoa, total	592	592	0	0	0	0	0	0	0	0	0	0
American Samoa Cmty Col	592	592	0	0	0	0	0	0	0	0	0	0
Virgin Islands, total	1,053	917	0	0	0	0	0	0	0	0	32	104
U of the Virgin Islands	1,053	917	0	0	0	0	0	0	0	0	32	104
Trust Territory Pac Isl, total	829	829	0	0	0	0	0	0	0	0	0	0
Cmty Col of Micronesia	304	304	0	0	0	0	0	0	0	0	0	0
No Marianas College	525	525	0	0	0	0	0	0	0	0	0	0

1/ In this table, Department of Defense research (DOD Res.) is reported separately from DOD development (DOD Dev.). DOD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

2/ Includes DOT, AID, HUD, Labor, HRC, and Interior.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table 0-12. Federal obligations to universities and colleges for R&D plant, 1/
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 3

State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
United States, total	124,041	45,091	71	0	0	57,209	0	13,656	0	1,345	7,469	0
Alaska, total	83	0	0	0	0	0	0	83	0	0	0	0
Univ of Alaska Fairbanks	83	0	0	0	0	0	0	83	0	0	0	0
Arizona, total	1,209	0	0	0	0	35	0	963	0	128	483	0
Arizona State University	483	0	0	0	0	0	0	0	0	0	483	0
Northern Arizona Univ	97	0	0	0	0	0	0	97	0	0	0	0
University of Arizona	629	0	0	0	0	35	0	466	0	128	0	0
Arkansas, total	647	647	0	0	0	0	0	0	0	0	0	0
Univ of Ark Fayetteville	647	647	0	0	0	0	0	0	0	0	0	0
California, total	10,104	124	0	0	0	8,256	0	1,724	0	0	0	0
California Inst of Tech	521	0	0	0	0	521	0	0	0	0	0	0
Stanford University	6,336	0	0	0	0	6,336	0	0	0	0	0	0
Univ of Cal Davis	259	124	0	0	0	135	0	0	0	0	0	0
Univ of Cal Irvine	120	0	0	0	0	120	0	0	0	0	0	0
Univ of Cal Los Angeles	368	0	0	0	0	368	0	0	0	0	0	0
Univ of Cal San Diego	135	0	0	0	0	135	0	0	0	0	0	0
Univ of Cal San Francisco	184	0	0	0	0	148	0	36	0	0	0	0
Univ of Cal Santa Barbara	28	0	0	0	0	28	0	0	0	0	0	0
Univ of Cal Santa Cruz	465	0	0	0	0	465	0	0	0	0	0	0
Univ of Southern Cal	1,608	0	0	0	0	0	0	1,608	0	0	0	0
Colorado, total	525	0	0	0	0	66	0	459	0	0	0	0
Colorado State University	207	0	0	0	0	0	0	207	0	0	0	0
University of Colorado	318	0	0	0	0	66	0	252	0	0	0	0
Connecticut, total	1,297	0	0	0	0	704	0	593	0	0	0	0
Fairfield University	20	0	0	0	0	20	0	0	0	0	0	0
Yale University	1,277	0	0	0	0	684	0	593	0	0	0	0
District of Columbia, total	700	0	0	0	0	0	0	700	0	0	0	0
Georgetown University	700	0	0	0	0	0	0	700	0	0	0	0
Florida, total	1,722	1,484	0	0	0	238	0	0	0	0	0	0
Florida State University	70	0	0	0	0	70	0	0	0	0	0	0
University of Florida	1,652	1,484	0	0	0	168	0	0	0	0	0	0
Georgia, total	1,598	955	0	0	0	517	0	126	0	0	0	0
Medical Col of Georgia	126	0	0	0	0	0	0	126	0	0	0	0
University of Georgia	1,472	955	0	0	0	517	0	0	0	0	0	0
Hawaii, total	1,241	1,087	0	0	0	154	0	0	0	0	0	0
Univ of Hawaii-Manoa	1,241	1,087	0	0	0	154	0	0	0	0	0	0
Idaho, total	213	0	0	0	0	0	0	213	0	0	0	0
University of Idaho	213	0	0	0	0	0	0	213	0	0	0	0
Illinois, total	1,926	1,267	0	0	0	537	0	118	0	4	0	0
Chicago Col of Osteo Med	100	0	0	0	0	0	0	100	0	0	0	0
Northern Illinois Univ	129	0	0	0	0	129	0	0	0	0	0	0
Northwestern University	104	0	0	0	0	100	0	0	0	4	0	0
Southern Ill U-Carbondale	18	0	0	0	0	0	0	18	0	0	0	0
Univ of Ill Chicago	10	0	0	0	0	10	0	0	0	0	0	0
Univ of Ill Urbana	1,810	1,267	0	0	0	243	0	0	0	0	0	0
University of Chicago	55	0	0	0	0	55	0	0	0	0	0	0
Indiana, total	2,527	0	0	0	0	989	0	1,538	0	0	0	0
Indiana University	476	0	0	0	0	476	0	0	0	0	0	0
Purdue University	1,589	0	0	0	0	51	0	1,538	0	0	0	0
University of Notre Dame	462	0	0	0	0	462	0	0	0	0	0	0
Iowa, total	5,965	5,310	0	0	0	0	0	655	0	0	0	0
Iowa State University	5,310	5,310	0	0	0	0	0	0	0	0	0	0
University of Iowa	655	0	0	0	0	0	0	655	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-12. Federal obligations to universities and colleges for R&D plant, 1/
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	NHS	Int	NASA	NSF	Other 2/
Kansas, total	2,974	2,973	0	0	0	0	0	101	0	0	0	0
Kans St U - Ag & App Sci	2,973	2,973	0	0	0	0	0	0	0	0	0	0
University of Kansas	101	0	0	0	0	0	0	101	0	0	0	0
Kentucky, total	652	0	0	0	0	0	0	652	0	0	0	0
University of Kentucky	469	0	0	0	0	0	0	469	0	0	0	0
University of Louisville	183	0	0	0	0	0	0	183	0	0	0	0
Louisiana, total	9,865	0	0	0	0	9,865	0	0	0	0	0	0
Louisiana State Univ	9,865	0	0	0	0	9,865	0	0	0	0	0	0
Maryland, total	943	0	71	0	0	313	0	559	0	0	0	0
Johns Hopkins University	391	0	0	0	0	0	0	391	0	0	0	0
Univ of MD Balt Prof Sch	168	0	0	0	0	0	0	168	0	0	0	0
Univ of MD College Park	384	0	71	0	0	313	0	0	0	0	0	0
Massachusetts, total	16,091	0	0	0	0	13,006	0	453	0	0	1,032	0
Boston University	686	0	0	0	0	686	0	0	0	0	0	0
Harvard University	229	0	0	0	0	229	0	0	0	0	0	0
Mass Inst of Technology	12,841	0	0	0	0	12,841	0	0	0	0	0	0
Northeastern University	50	0	0	0	0	50	0	0	0	0	0	0
Smith College	100	0	0	0	0	0	0	100	0	0	0	0
Tufts University	345	0	0	0	0	0	0	345	0	0	0	0
Woods Hole Oceanographic Inst	1,032	0	0	0	0	0	0	0	0	0	1,032	0
Michigan, total	5,316	2,873	0	0	0	1,245	0	1,198	0	0	0	0
Michigan State University	3,260	2,873	0	0	0	367	0	0	0	0	0	0
University of Michigan	2,056	0	0	0	0	878	0	1,198	0	0	0	0
Minnesota, total	790	0	0	0	0	98	0	692	0	0	0	0
University of Minnesota	790	0	0	0	0	98	0	692	0	0	0	0
Mississippi, total	8,269	8,261	0	0	0	0	0	0	0	0	0	0
Univ of Sthern Mississippi	2,586	2,586	0	0	0	0	0	0	0	0	0	0
University of Mississippi	5,683	5,675	0	0	0	0	0	0	0	0	0	0
Montana, total	316	240	0	0	0	0	0	76	0	0	0	0
Montana State University	240	240	0	0	0	0	0	0	0	0	0	0
University of Montana	76	0	0	0	0	0	0	76	0	0	0	0
Nebraska, total	2,873	2,873	0	0	0	0	0	0	0	0	0	0
Univ of Nebraska-Lincoln	2,873	2,873	0	0	0	0	0	0	0	0	0	0
Nevada, total	77	0	0	0	0	77	0	0	0	0	0	0
Desert Research Institute	77	0	0	0	0	77	0	0	0	0	0	0
New Jersey, total	396	86	0	0	0	310	0	0	0	0	0	0
Princeton University	310	0	0	0	0	310	0	0	0	0	0	0
Rutgers the St Univ of NJ	86	86	0	0	0	0	0	0	0	0	0	0
New York, total	9,444	0	0	0	0	4,133	0	157	0	0	5,154	0
Columbia Univ Main Div	3,385	0	0	0	0	240	0	0	0	0	3,145	0
Cornell University	2,009	0	0	0	0	0	0	0	0	0	2,009	0
Hofstra University	29	0	0	0	0	0	0	29	0	0	0	0
Rockefeller University	70	0	0	0	0	0	0	0	0	0	0	0
St John's University (NY)	83	0	0	0	0	70	0	0	0	0	0	0
SUNY - Hlth Sci Syracuse	45	0	0	0	0	0	0	0	0	0	0	0
SUNY at Albany	15	0	0	0	0	15	0	0	0	0	0	0
SUNY at Stony Brook	2,895	0	0	0	0	2,895	0	0	0	0	0	0
University of Rochester	913	0	0	0	0	913	0	0	0	0	0	0
North Carolina, total	1,194	0	0	0	0	406	0	788	0	0	0	0
Duke University	376	0	0	0	0	376	0	0	0	0	0	0
N C State Univ at Raleigh	30	0	0	0	0	30	0	0	0	0	0	0
Univ of N C at Greensboro	131	0	0	0	0	0	0	131	0	0	0	0
Univ of NC at Chapel Hill	657	0	0	0	0	0	0	657	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table 8-12. Federal obligations to universities and colleges for R&D plant, 1/
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
North Dakota, total	6,501	6,401	0	0	0	0	0	100	0	0	0	0
North Dakota State Univ	2,378	2,378	0	0	0	0	0	0	0	0	0	0
University of N Dakota	4,123	4,023	0	0	0	0	0	100	0	0	0	0
Ohio, total	239	0	0	0	0	105	0	134	0	0	0	0
Case Western Reserve Univ	78	0	0	0	0	0	0	78	0	0	0	0
Ohio State University	105	0	0	0	0	105	0	0	0	0	0	0
Ohio University	56	0	0	0	0	0	0	56	0	0	0	0
Oklahoma, total	448	287	0	0	0	15	0	146	0	0	0	0
Oklahoma State University	287	287	0	0	0	0	0	0	0	0	0	0
University of Oklahoma	161	0	0	0	0	15	0	146	0	0	0	0
Oregon, total	10,340	0	0	0	0	10,200	0	140	0	0	0	0
Oregon Hlth Sciences Univ	10,000	0	0	0	0	9,860	0	140	0	0	0	0
University of Oregon Main	340	0	0	0	0	340	0	0	0	0	0	0
Pennsylvania, total	2,248	0	0	0	0	1,055	0	241	0	952	0	0
Carnegie-Mellon Univ	189	0	0	0	0	189	0	0	0	0	0	0
Drexel University	25	0	0	0	0	25	0	0	0	0	0	0
Pennsylvania State Univ	241	0	0	0	0	0	0	241	0	0	0	0
Univ of Pennsylvania	804	0	0	0	0	804	0	0	0	0	0	0
University of Pittsburgh	989	0	0	0	0	37	0	0	0	952	0	0
Rhode Island, total	797	0	0	0	0	797	0	0	0	0	0	0
Brown University	797	0	0	0	0	797	0	0	0	0	0	0
South Carolina, total	9	0	0	0	0	9	0	0	0	0	0	0
Univ of South Carolina	9	0	0	0	0	9	0	0	0	0	0	0
South Dakota, total	1,629	1,629	0	0	0	0	0	0	0	0	0	0
South Dakota State Univ	1,629	1,629	0	0	0	0	0	0	0	0	0	0
Tennessee, total	600	240	0	0	0	40	0	320	0	0	0	0
Maharry Medical College	242	0	0	0	0	0	0	242	0	0	0	0
Tennessee State Univ	240	240	0	0	0	0	0	0	0	0	0	0
Univ of Tennessee All Cmp	118	0	0	0	0	40	0	78	0	0	0	0
Texas, total	3,958	2,873	0	0	0	999	0	86	0	0	0	0
Prairie View A & M Univ	200	0	0	0	0	200	0	0	0	0	0	0
Rice University	212	0	0	0	0	212	0	0	0	0	0	0
Texas A & M University	3,460	2,873	0	0	0	587	0	0	0	0	0	0
U Tex Hlth Sci Ctr S Anto	86	0	0	0	0	9	0	86	0	0	0	0
Utah, total	51	0	0	0	0	0	0	51	0	0	0	0
Utah State University	51	0	0	0	0	0	0	51	0	0	0	0
Vermont, total	359	359	0	0	0	0	0	0	0	0	0	0
Univ of VT & St Agric Col	359	359	0	0	0	0	0	0	0	0	0	0
Virginia, total	663	568	0	0	0	95	0	0	0	0	0	0
University of Virginia	90	0	0	0	0	90	0	0	0	0	0	0
VA Polytech Inst & St U	573	568	0	0	0	5	0	0	0	0	0	0
Washington, total	3,726	2,643	0	0	0	478	0	605	0	0	0	0
Gonzaga University	598	598	0	0	0	0	0	0	0	0	0	0
University of Washington	1,08	0	0	0	0	478	0	605	0	0	0	0
Washington State Univ	2,045	2,045	0	0	0	0	0	0	0	0	0	0
West Virginia, total	1,437	1,437	0	0	0	0	0	0	0	0	0	0
West Virginia University	1,437	1,437	0	0	0	0	0	0	0	0	0	0
Wisconsin, total	2,879	574	0	0	0	1,659	0	385	0	261	0	0
Univ of Wis-Madison	2,879	574	0	0	0	1,659	0	385	0	261	0	0

1/ See Technical Notes, Scope of Survey.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-13. Federal obligations to public universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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Doctorate-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	HASA	HSF	Other 2/
Arizona State University	19,176	11	20	2,995	234	137	1,369	216	4,601	1,921	7,323	349
Auburn University	15,697	5,186	37	2,632	150	0	1,442	85	498	2,844	1,035	1,788
Ball State University	346	0	0	0	0	0	0	0	211	0	135	0
Bowling Green State Univ	1,091	0	0	0	0	0	55	0	439	0	597	0
Central Michigan Univ	18	8	0	0	0	0	0	0	0	0	10	0
Clemson University	10,457	4,312	71	937	1,466	0	140	248	630	892	1,488	273
Cleveland State Univ	4,122	0	0	0	0	0	0	0	1,288	2,834	0	0
College of William & Mary	5,157	0	941	204	0	0	262	219	151	1,343	2,037	0
Colorado School of Mines	3,185	0	0	675	0	0	1,057	75	0	0	1,047	331
Colorado State University	40,820	5,852	2,292	3,657	0	622	1,780	616	14,993	2,231	7,290	1,487
CUNY Central Sys Off	2,451	0	0	305	0	0	749	0	0	138	252	997
CUNY City College	10,418	0	0	448	0	0	924	0	3,599	408	5,039	0
CUNY Grad Sch & Univ Ctr	2,112	0	0	0	0	0	0	0	1,658	0	454	0
CUNY H.H. Lehman Coll	581	0	0	0	0	0	0	0	130	0	451	0
CUNY Hunter College	4,048	0	0	0	0	0	100	0	3,326	0	611	11
Desert Research Institute	4,983	0	504	0	0	0	2,837	535	0	60	1,047	0
East Carolina University	3,406	0	0	557	0	0	0	0	2,750	0	99	0
East Tennessee State Univ	1,016	0	0	0	0	0	0	0	787	0	229	0
Five Colleges Inc.	44	0	0	0	0	0	0	0	0	0	44	0
Florida A & M University	4,542	1,330	0	583	152	0	16	0	1,224	181	994	62
Florida Atlantic Univ	2,374	0	4	341	69	0	69	0	733	505	478	175
Florida International U	1,215	0	0	0	0	0	0	438	338	0	412	27
Florida State University	27,531	100	431	1,833	90	0	13,576	720	3,920	1,234	5,252	375
Georgia Mason University	3,789	0	138	1,528	0	0	110	0	534	119	975	385
Georgia Institute of Tech	54,271	0	297	7,622	30,924	0	1,227	817	2,609	3,433	6,559	783
Georgia State University	5,877	0	0	129	0	0	36	0	2,306	154	799	2,432
Idaho State University	770	27	0	0	0	0	0	94	0	0	21	0
Illinois State University	1,770	0	0	0	0	0	0	0	756	0	1,014	61
Indiana State University	236	0	0	0	0	0	0	0	0	86	87	63
Indiana Univ of Penn	235	0	0	0	0	0	0	0	85	0	150	0
Indiana University	61,435	0	0	510	0	90	3,363	719	38,572	671	17,140	370
Iowa State University	28,915	11,417	3,232	880	0	72	825	243	4,259	441	5,155	2,391
Kans St U - Ag & App Sci	14,470	5,129	0	674	0	0	2,063	1,628	1,660	45	2,919	352
Kent State University	3,727	0	15	361	0	71	112	0	992	335	1,841	0
Lamar University - Beaumo	1,718	0	0	0	0	0	0	1,590	0	107	0	0
Louisiana State Univ	40,886	3,750	2,996	1,325	350	0	1,704	2,535	22,572	710	4,480	464
Louisiana Tech University	371	146	25	41	0	0	99	0	0	0	60	0
LA St Univ System Office	550	0	0	0	0	0	220	0	0	0	0	330
Marshall University	1,600	25	0	0	0	0	0	0	1,567	0	8	0
Med Col of Ohio at Toledo	5,885	0	0	0	0	0	0	198	5,616	0	71	0
Med Univ of So Carolina	13,779	170	0	0	0	107	0	0	13,274	0	228	0
Medical Col of Georgia	8,300	0	0	179	159	0	0	0	7,907	0	55	0
Memphis State University	3,291	0	0	264	0	0	135	105	1,575	60	349	803
Miami University (Ohio)	1,950	219	0	235	0	0	13	81	203	50	1,149	0
Michigan State University	56,619	12,815	116	1,932	26	1,960	3,440	404	14,495	634	17,977	2,820
Michigan Tech University	4,603	310	0	1,172	595	0	99	104	87	216	1,237	783
Miss-Ala Sea Grant Cnstrm	1,533	0	1,533	0	0	0	0	0	0	0	0	0
Mississippi State Univ	17,128	8,004	24	458	40	757	3,127	0	623	690	3,037	368
Montana State University	9,356	2,483	0	235	0	0	51	519	1,356	130	4,225	353
N C State Univ at Raleigh	43,466	9,081	353	7,180	577	500	1,816	1,679	5,111	3,979	9,709	3,501
N J Inst of Technology	3,447	0	0	109	0	0	197	1,962	0	0	1,116	63
N Mex Inst Mining & Tech	4,574	0	0	974	72	0	2,206	0	0	142	1,035	145
New Mexico State Univ	45,177	2,380	0	3,970	12,248	0	6,135	84	406	16,324	3,462	168
North Dakota State Univ	7,297	4,885	0	550	0	0	0	0	0	656	1,206	0
Northeast Louisiana Univ	170	0	0	0	0	0	0	80	0	23	67	0
Northern Arizona Univ	2,837	139	0	6	0	630	0	0	167	26	1,448	421
Northern Illinois Univ	4,350	111	0	209	0	640	230	0	1,263	0	1,897	0
NE Ohio Univs Med School	632	0	0	0	0	0	0	0	632	0	0	0
Oakland University	2,110	0	0	0	0	0	0	0	1,879	0	231	0
Ohio State University	80,401	7,781	909	4,205	342	0	4,088	1,465	33,191	4,568	14,511	9,341
Ohio University	4,233	102	0	525	0	0	425	0	723	235	684	1,539
Okla Col Osteo Med & Surg	100	0	0	0	0	0	0	0	100	0	0	0
Oklahoma State University	15,052	4,803	0	1,804	1,907	0	3,388	100	733	0	1,950	367
Old Dominion University	6,193	0	0	202	0	0	457	0	172	3,999	1,363	0
Oregon Hlth Sciences Univ	25,344	0	0	655	0	0	0	0	24,334	0	355	0
Oregon State University	44,542	8,856	2,509	6,374	0	0	1,136	1,249	8,260	1,948	11,493	2,717
Pennsylvania State Univ	136,754	7,699	360	23,185	41,769	96	3,909	473	30,408	7,503	15,261	6,091
Portland State University	2,286	14	30	0	0	742	110	0	509	0	881	0
Purdue University	63,167	9,287	0	3,887	56	167	7,216	278	17,313	2,222	15,972	6,769
Rutgers the St Univ of NJ	44,642	4,433	303	3,147	4,320	1,300	1,227	102	19,027	604	9,934	245
S Dak Sch Mines & Tech	1,971	0	0	0	0	0	0	0	0	346	1,466	159
Sam Houston State Univ	30	20	0	0	0	0	0	0	0	10	0	0
San Diego State Univ	15,500	71	47	3,474	89	0	1,622	250	6,537	546	2,685	179
South Dakota State Univ	3,051	2,430	0	0	0	0	0	0	74	0	200	347
Southern Ill U-Carbondale	6,536	688	0	760	0	125	75	0	3,339	159	1,139	251
State Univ Sys of Fla Off	1,862	0	1,717	0	0	0	145	0	0	0	0	0
Stephen F Austin St Univ	222	222	0	0	0	0	0	0	0	0	0	0
SC Sea Grant Consortium	30	0	30	0	0	0	0	0	0	0	0	0
SUNY - Hlth Sci Brooklyn	14,334	0	0	0	0	0	0	0	14,168	0	166	0
SUNY - Hlth Sci Syracuse	10,504	0	0	0	0	0	0	0	10,264	0	240	0
SUNY at Albany	18,727	0	2,298	2,952	80	0	1,209	1,842	5,261	635	4,450	0
SUNY at Binghamton	3,278	0	0	0	0	0	136	0	1,472	215	1,455	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-13. Federal obligations to public universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

(Dollars in thousands)

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Doctorate-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
SUNY at Buffalo All Cmps	36,291	0	0	1,725	372	0	694	52	27,119	1,213	5,116	0
SUNY at Stony Brook	45,868	0	0	325	0	0	3,509	0	26,451	1,967	13,564	52
SUNY Col of Env Sci & For	654	388	0	0	0	0	0	0	0	0	266	0
SUNY St Col of Optometry	154	0	0	0	0	0	0	0	154	0	0	0
SUNY System Office	996	345	0	0	0	0	0	424	0	0	227	0
Tenn Technological Univ	26,098	100	0	660	0	274	335	0	22,716	45	1,938	30
Texas A & M Univ Sys Off	750	0	0	0	0	0	121	110	47	15	355	102
Texas A & M University	6,221	0	0	525	0	0	0	0	0	187	0	5,509
Texas Tech University	47,221	10,760	4,162	3,006	80	0	4,738	226	7,989	3,127	12,655	478
Texas Woman's University	5,602	74	0	991	191	0	483	590	2,187	200	886	0
The University of Alabama	392	0	0	0	0	150	0	0	236	0	5	1
U of Arkansas Med Sci Cam	3,451	0	69	0	0	0	784	25	700	552	901	420
U of Cal Sys Wide Prgrs	6,650	0	0	0	0	0	0	0	6,642	0	8	0
U of Houston Sys Off	3,882	0	3,702	0	0	0	0	0	180	0	0	0
U of Houston Univ Park	706	0	24	564	0	0	118	0	0	0	0	0
U of MD Baltimore County	13,370	30	0	1,774	0	0	817	0	3,947	4,456	2,321	25
U of MD Center for Eas	4,018	0	0	43	0	0	36	0	2,090	240	1,514	95
U of MD Eastern Shore	121	0	0	0	0	0	0	121	0	0	0	0
U of Neb Med Ctr at Omaha	1,886	1,445	0	0	0	0	130	0	0	0	311	0
U of Nev Sys Adm Sys Off	9,855	0	0	0	0	0	0	0	9,855	0	0	0
U of S D System Office	1,674	0	949	84	0	0	0	0	0	0	641	0
U Neb Ctrl Adm Sys Off	48	0	0	30	0	0	0	0	0	0	0	18
U Tex Hlth Sci Ctr Houstn	143	26	0	0	0	0	0	0	0	0	0	117
U Tex Hlth Sci Ctr S Anto	29,943	80	0	0	0	0	0	0	28,877	674	312	0
U Tex Med Brnch Galveston	33,306	0	0	108	278	0	0	0	32,281	0	639	0
U Tex Sw Med Ctr - Dallas	20,404	0	0	130	0	0	0	178	19,500	389	207	0
U TX MD Anderson Cntr Ctr	50,504	0	0	125	0	0	0	0	48,789	1,208	382	0
Univ of Alaska Fairbanks	30,650	0	0	0	0	0	18	146	30,322	0	164	0
Univ of Alaska System Off	20,462	23	933	251	0	0	1,092	100	302	7,660	9,781	320
Univ of Ark Fayetteville	1,292	1,292	0	0	0	0	0	0	0	0	0	0
Univ of Cal Berkeley	13,832	5,780	250	417	0	1,566	215	180	815	141	1,543	2,925
Univ of Cal Davis	123,983	9,150	0	8,347	2,182	6,733	4,197	503	38,603	19,017	31,293	3,958
Univ of Cal Irvine	68,952	3,682	0	1,160	408	698	10,091	511	39,541	1,402	9,353	2,106
Univ of Cal Los Angeles	53,429	0	0	8,310	994	0	4,045	190	29,122	1,459	9,309	0
Univ of Cal Riverside	176,735	189	76	9,213	152	1,030	17,707	81	121,225	7,176	19,367	519
Univ of Cal San Diego	11,498	1,157	0	279	0	187	1,513	317	4,406	276	3,329	35
Univ of Cal San Francisco	165,224	325	564	21,227	606	0	4,078	138	96,271	12,314	28,681	1,020
Univ of Cal Santa Barbara	167,270	0	0	1,514	596	0	3,474	160	159,324	953	1,249	0
Univ of Cal Santa Cruz	41,661	281	57	13,176	1,070	492	3,116	421	4,376	2,422	15,026	1,224
Univ of Central Florida	17,530	40	0	1,001	0	0	1,284	0	3,575	793	5,409	5,418
Univ of Hawaii Sys Off	6,672	0	0	2,067	2,319	0	210	100	380	1,108	468	20
Univ of Hawaii-Manoa	7,941	0	5,556	845	0	0	268	0	0	0	225	47
Univ of Ill Chicago	40,049	4,158	0	2,691	0	0	1,516	0	10,130	5,775	12,603	3,176
Univ of Ill Urbana	42,293	9	0	2,860	190	759	541	301	30,429	419	5,310	1,475
Univ of Illinois Sys Off	99,742	7,268	0	14,821	167	0	12,380	810	16,979	3,923	42,113	1,281
Univ of Maine Orono	6,377	88	1,500	3,343	84	500	426	303	0	0	0	133
Univ of Maine System Off	6,401	2,860	0	141	0	0	77	1,082	429	109	1,038	665
Univ of Maryland Sys Off	2,475	193	2,210	72	0	0	0	0	0	0	0	0
Univ of Mass System Off	4,162	560	0	3,122	0	0	30	0	400	0	0	50
Univ of Mad & Dent of N J	328	112	216	0	0	0	0	0	0	0	0	0
Univ of Missouri Columbia	38,066	94	0	966	0	0	286	792	35,131	254	543	0
Univ of Missouri Kan City	25,258	6,492	0	270	0	0	641	137	13,838	154	3,559	167
Univ of Missouri Rolla	3,600	0	0	105	0	64	106	0	3,051	0	269	5
Univ of Missouri St Louis	3,811	0	0	50	0	0	788	0	99	217	1,490	1,167
Univ of Missouri Sys Off	1,647	0	0	65	0	0	0	0	333	30	1,219	0
Univ of MD Balt Prof Sch	1,258	31	44	428	0	746	0	0	0	0	0	9
Univ of MD College Park	41,100	0	0	1,518	726	0	226	464	37,431	0	735	0
Univ of N C at Greensboro	64,723	3,820	3,832	8,319	1,208	2,090	7,759	1,023	4,901	12,755	18,080	936
Univ of N C Sys Off	1,688	0	0	48	0	73	0	0	943	0	624	0
Univ of Nebraska-Lincoln	1,490	0	0	176	0	0	0	0	0	0	0	1,314
Univ of Nevada - Reno	15,947	6,533	312	729	0	0	322	57	2,043	678	2,417	2,856
Univ of New Hampshire	9,784	1,380	0	70	0	0	574	405	3,429	210	2,446	1,270
Univ of North Texas	20,401	1,736	2,617	491	0	0	705	844	1,527	8,341	3,916	224
Univ of Northern Colorado	1,647	0	0	552	0	123	20	51	348	0	553	0
Univ of Northern Iowa	874	0	0	0	0	0	0	0	87	0	787	0
Univ of NC at Chapel Hill	357	0	0	0	0	0	0	0	0	0	357	0
Univ of P R-Mayaguez	100,183	115	33	2,866	0	1,192	818	3,308	82,369	528	8,906	48
Univ of P R-Med Sci Campus	6,248	4,110	0	143	27	0	27	0	0	200	1,637	104
Univ of P R-Rio Piedras	5,691	0	0	221	0	0	0	0	5,458	0	12	0
Univ of Puerto Rico Syste	218	0	0	81	0	0	0	0	137	0	0	0
Univ of Rhode Island	2,878	0	594	90	0	0	0	0	0	0	2,194	0
Univ of South Alabama	18,439	1,233	2,633	2,997	174	0	40	617	3,300	951	5,228	1,266
Univ of South Carolina	7,191	14	84	91	0	0	45	0	6,745	0	212	0
Univ of South Dakota	16,103	0	330	781	138	0	1,094	870	8,048	22	4,776	44
Univ of South Florida	431	0	0	0	0	0	0	0	375	26	30	0
Univ of Southwestern LA	13,914	0	166	1,199	343	745	227	71	7,854	728	1,861	720
Univ of Sthrn Mississippi	979	0	0	0	0	0	160	0	399	7	259	154
Univ of Tenn System Off	1,436	48	0	635	0	0	0	0	110	0	643	0
Univ of Tennessee All Cmp	1,487	0	0	733	659	0	70	0	25	0	0	0
	44,759	5,385	0	1,163	0	0	11,643	445	20,419	1,619	3,879	206

See explanatory material, if any, and SOURCE, at end of table.

Table 8-13. Federal obligations to public universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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Doctorate-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Univ of Tex at Arlington	1,929	0	0	962	150	0	0	25	197	218	377	0
Univ of Texas at Austin	93,401	142	66	17,886	21,446	0	15,584	648	13,401	6,397	14,573	3,258
Univ of Texas at Dallas	5,331	0	0	1,374	0	112	119	0	987	1,281	1,458	0
Univ of Texas at El Paso	4,488	0	0	232	254	0	111	0	491	70	3,202	128
Univ of Texas System Off	2,835	0	0	0	0	0	578	0	1,480	0	0	777
Univ of VT & St Agric Col	31,402	2,980	0	149	152	0	588	0	26,000	15	1,374	144
Univ of Wis-Madison	155,175	7,430	126	4,933	57	0	14,717	392	83,506	12,228	31,510	276
Univ of Wis-Milwaukee	7,625	0	0	1,370	0	0	205	0	2,241	28	2,309	1,472
Univ of Wisconsin Sys Off	6,786	73	2,219	1,276	0	1,900	0	0	205	0	455	658
Univ Alabama Birmingham	74,529	275	0	1,195	3,911	0	0	0	63,783	3,030	2,335	0
Univ Alabama Huntsville	19,406	0	0	3,796	0	0	0	0	0	15,074	536	0
Univ Sys of N Hamp Sys Of	485	0	0	100	0	0	0	0	353	0	0	32
University of Akron	4,018	0	0	50	0	0	208	92	1,057	1,300	1,158	153
University of Arizona	92,824	2,950	190	5,166	2,892	420	2,403	409	43,200	18,208	15,382	1,594
University of Cincinnati	38,674	0	0	2,476	0	46	295	565	30,270	2,118	2,594	310
University of Colorado	116,448	178	7,951	6,650	50	200	4,211	1,067	64,346	11,848	19,569	379
University of Connecticut	43,589	1,528	3,318	2,235	0	1,500	797	127	29,011	293	4,535	245
University of Delaware	17,377	1,518	1,300	2,010	0	960	1,000	266	4,152	1,052	4,896	223
University of Florida	58,063	7,606	107	3,944	2,073	0	2,871	698	26,938	2,235	7,545	2,046
University of Georgia	29,767	8,519	1,224	977	0	0	10,281	1,160	10,214	412	6,700	280
University of Idaho	8,452	3,502	30	130	180	88	65	321	686	1,726	1,319	1,405
University of Iowa	75,762	70	81	2,001	225	248	558	392	63,703	4,134	5,349	1
University of Kansas	27,212	0	132	768	0	2,113	441	53	19,633	1,026	2,061	185
University of Kentucky	29,375	6,486	22	227	224	0	3,106	152	14,406	210	3,802	740
University of Louisville	5,779	0	0	103	0	0	164	87	4,461	402	562	0
University of Lowell	6,635	0	0	1,462	3,619	0	115	0	1,046	40	353	0
University of Massachusetts	66,811	2,897	40	8,697	347	249	2,273	445	37,831	1,764	11,996	272
University of Michigan	176,620	1,079	1,588	11,573	211	464	7,878	1,775	114,759	9,849	24,904	2,540
University of Minnesota	137,495	7,210	741	9,733	324	293	4,560	1,303	90,481	3,136	18,936	778
University of Mississippi	11,521	949	0	481	40	0	177	0	7,774	303	369	1,428
University of Montana	2,765	480	0	0	0	0	0	221	1,030	299	523	212
University of New Mexico	15,130	945	519	0	0	0	8,819	826	847	62	468	2,644
University of New York	19,523	3	0	778	70	0	1,644	180	11,453	1,059	4,320	16
University of Oklahoma	17,802	0	950	752	0	0	2,670	295	10,201	164	2,473	297
University of Oregon Main	18,251	150	0	1,376	0	1,909	1,713	0	7,838	174	4,956	135
University of Pittsburgh	114,262	52	63	3,000	8,370	2,662	2,589	2,475	85,235	1,046	8,726	44
University of Toledo	2,602	0	0	0	0	0	113	0	1,248	871	207	163
University of Utah	65,250	161	0	4,449	134	87	4,501	384	44,655	697	8,983	1,599
University of Virginia	60,796	1	2,139	4,281	683	1,346	2,812	569	35,100	4,238	8,945	682
University of Washington	217,291	2,404	5,111	21,167	610	819	7,745	1,230	141,776	6,681	27,041	2,707
University of Wyoming	9,677	1,632	0	1,042	0	32	324	70	1,004	259	4,507	807
Utah State University	52,713	2,689	0	10,698	32,834	297	123	516	1,895	1,000	2,103	558
Virginia Commonwealth Univ	42,678	0	0	924	0	660	242	152	39,751	411	538	0
VA Polytech Inst & St U	32,239	5,502	137	4,976	176	0	6,787	1,066	2,504	3,969	4,476	2,646
Washington State Univ	20,550	6,064	72	1,187	0	0	2,095	489	6,067	258	4,063	255
Wayne State University	27,689	0	0	911	75	0	300	0	23,440	195	2,700	68
West Virginia University	19,194	4,200	0	211	0	0	4,320	1,934	3,936	197	1,203	3,193
Western Michigan Univ	2,047	14	0	45	0	1,079	86	75	190	190	360	0
Wichita State University	2,251	0	0	23	0	0	0	0	131	73	157	1,867
Wright State University	7,147	0	0	1,400	284	0	0	91	4,673	70	629	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-13. Federal obligations to public universities and colleges
for research and development, by highest degree granted and agency:
fiscal year 1990

[Dollars in thousands]

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Master's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Adams State College	49	0	0	0	0	0	0	0	0	0	49	0
Alabama A & M University	4,702	1,975	0	280	178	0	215	33	50	991	980	0
Appalachian St University	653	0	0	0	0	0	0	110	100	0	443	0
Arkansas State University	157	0	0	0	0	0	72	0	14	22	0	49
Augusta College	41	0	0	0	0	0	0	0	0	0	41	0
Bloomsburg Univ of Penn	49	0	0	0	0	0	0	0	0	323	477	20
Cal Poly St U San Luis Ob	846	26	0	0	0	0	0	0	0	0	22	0
Cal St U - San Bernadino	22	0	0	0	0	0	0	0	0	0	367	0
Cal St U Dominguez Hills	367	0	0	0	0	0	0	0	0	15	310	69
Cal St Poly Univ Pomona	424	30	0	0	0	0	0	0	0	0	30	0
Calif St U Bakersfield	30	0	0	0	0	0	43	0	236	34	1,351	0
Calif St Univ Fullerton	1,664	0	0	0	0	0	20	0	0	90	50	0
Calif St Univ Hayward	160	0	0	0	0	0	100	0	406	188	744	0
Calif St Univ Long Beach	1,895	0	0	457	0	0	0	0	1,600	15	1,585	0
Calif St Univ Los Angeles	3,200	0	0	0	0	0	60	0	398	29	352	0
Calif St Univ Northridge	839	0	0	0	0	0	180	0	0	0	0	0
Calif St Univ Sacramento	180	0	0	0	0	0	0	0	0	0	19	0
Calif St Univ Stanislaus	19	0	0	0	0	0	0	0	0	0	8	0
Calif State Univ Chico	8	0	0	0	0	0	0	0	0	0	39	0
Calif State Univ Fresno	39	0	0	0	0	0	0	0	25	0	36	0
Central Missouri St Univ	61	0	0	0	0	0	0	0	0	89	12	0
Chicago State University	101	0	0	0	0	0	0	0	0	16	0	0
Citadel Military Col S C	16	0	0	13	0	0	0	0	0	0	0	0
College of Charleston	13	0	0	0	0	0	0	0	25	0	0	0
Coppin State College	25	0	0	0	0	0	0	0	121	0	117	0
CUNY Bernard Baruch Col	238	0	0	0	0	0	0	0	442	50	750	0
CUNY Brooklyn College	1,242	0	0	0	0	0	0	0	252	0	29	0
CUNY Col Staten Island	439	0	0	158	0	0	0	0	135	0	0	0
CUNY Jhn Jay Col Crim Jus	135	0	0	0	0	0	0	0	1,231	0	577	0
CUNY Queens College	1,946	0	0	0	0	0	138	0	0	0	0	0
Delaware State College	545	545	0	0	0	0	0	167	0	0	0	0
East Central University	167	0	0	0	0	0	0	0	0	0	46	0
Eastern Illinois Univ	46	0	0	0	0	0	0	0	7	0	29	0
Eastern Kentucky Univ	36	0	0	0	0	0	0	0	253	0	106	0
Eastern Michigan Univ	359	0	0	0	0	0	0	0	103	162	0	30
Eastern Washington Univ	295	0	0	0	0	0	0	0	83	0	0	0
Edinboro Univ of Penn	83	0	0	0	0	0	0	52	0	0	0	0
Fort Valley State College	2,014	1,759	0	0	0	0	203	0	0	0	0	5
Frostburg State Univ	5	0	0	0	0	0	0	0	719	18	0	0
Georgia Southern Univ	740	3	0	0	0	0	0	0	181	0	137	40
Grambling State Univ	557	0	0	199	0	0	0	0	0	0	211	0
Grand Valley State Univ	211	0	0	0	0	0	0	0	0	0	59	0
Henderson State Univ	59	0	0	0	0	0	0	0	0	23	7	191
Humboldt State University	633	412	0	0	0	0	0	0	248	0	635	171
Jackson State University	3,136	0	0	271	0	0	1,811	0	0	0	90	0
Jacksonville State Univ	90	0	0	0	0	0	0	0	0	0	184	0
James Madison University	184	0	0	0	0	0	0	0	91	0	0	0
Keene State College	91	0	0	0	0	0	0	66	0	0	0	0
Kutztown Univ of Penn	66	0	0	0	0	0	0	0	0	0	29	0
Lincoln University (MO)	1,902	1,873	0	0	0	0	0	0	92	0	13	0
Mankato State University	105	0	0	0	0	0	0	0	0	0	0	0
Mass State Col Sys Off	555	0	0	0	0	0	555	0	0	0	193	0
McNeese State University	193	0	0	0	0	0	0	0	100	0	0	0
Middle Tennessee St Univ	146	0	0	0	0	0	46	0	0	0	33	0
Midwestern State Univ	38	5	0	0	0	0	0	0	0	0	36	0
Millersville Univ of Penn	36	0	0	0	0	0	0	333	0	0	351	145
Mont Col Minnrl Sci & Tech	829	0	0	0	0	74	0	0	0	0	527	0
Moorhead State University	601	0	0	0	0	0	0	0	0	386	401	124
Morgan State University	1,041	0	0	0	0	0	130	0	0	96	0	0
Murray State University	96	0	0	0	0	0	0	0	0	0	97	0
New Mexico Highlands Univ	97	0	0	0	0	0	0	0	0	0	0	0
North Carolina Cntrl Univ	395	0	0	357	0	0	0	38	0	0	200	0
Northeastern Ill Univ	210	10	0	0	0	0	0	0	0	0	0	0
Northern Michigan Univ	2	2	0	0	0	0	0	0	0	36	0	0
Northwest State Univ	36	0	0	0	0	0	0	0	0	0	554	150
NC Ag & Tech State Univ	6,078	2,413	0	1,026	30	0	77	75	100	1,653	101	0
Prairie View A & M Univ	3,296	2,529	0	20	0	0	315	0	0	331	27	0
Rhode Island College	47	0	0	0	0	0	0	0	20	0	324	107
S Illinois U Edwardsville	630	0	0	0	0	0	0	0	199	0	0	0
Salem State College	25	0	0	0	0	0	0	0	25	0	1,772	60
San Francisco State Univ	3,293	0	25	325	0	0	95	0	831	185	2,574	72
San Jose State University	6,628	0	64	315	0	0	0	0	353	3,250	0	0
Sonoma State University	44	0	0	0	0	0	0	0	0	44	0	0
Southeast Missouri St U	646	0	0	0	0	0	0	0	0	0	646	0
Southeastern Mass Univ	928	709	0	0	0	0	0	0	0	0	219	0
Southern Conn State Univ	226	0	0	0	0	0	0	0	0	0	226	0
Southern Oregon St Col	5	0	0	0	0	0	0	0	25	0	5	50
Southern U & A&M College	2,079	1,752	0	102	0	0	0	0	0	0	150	0
Southwest Missouri St U	338	0	0	0	0	0	0	0	0	0	338	0
Southwest Texas St Univ	652	0	0	0	0	0	0	82	501	53	16	0
St U Sys of Minn-Sys Off	1,437	0	0	0	0	0	0	0	1,437	0	0	0
SUNY College Brockport	375	0	0	0	0	0	0	0	0	0	375	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-13. Federal obligations to public universities and colleges
for research and development, by highest degree granted and agency:
fiscal year 1990

[Dollars in thousands]

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Master's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
SUNY College Buffalo	724	0	0	455	0	0	0	0	0	0	269	0
SUNY College Cortland	101	0	0	0	0	0	0	0	0	0	101	0
SUNY College Geneseo	154	0	0	0	0	0	0	0	0	0	154	0
SUNY College New Paltz	183	0	0	0	0	0	0	0	135	0	48	0
SUNY College Oswego	18	0	0	0	0	0	0	0	0	18	0	0
SUNY College Plattsburgh	514	0	0	0	0	0	42	0	221	30	221	0
SUNY College Potsdam	188	0	0	0	0	0	0	0	0	0	188	0
SUNY Inst Tech Utica-Rome	84	0	0	0	0	0	0	0	0	0	84	0
Tarleton State University	53	0	0	0	0	0	0	0	66	0	18	0
Tennessee State Univ	3,988	2,046	0	50	0	0	14	0	1,359	348	171	0
Texas A & I University	230	15	0	0	0	0	66	0	79	40	20	0
Texas Southern Univ	1,795	0	0	0	0	0	0	0	1,280	461	29	5
Towson State University	655	0	0	0	0	0	20	0	0	0	655	0
U of Texas at San Antonio	1,608	0	0	0	0	0	0	0	89	102	1,417	0
U of TX - Pan America	176	0	0	82	0	0	0	0	94	0	0	0
Univ of Alaska Anchorage	1,670	0	1,529	5	0	0	0	0	122	0	0	14
Univ of Alaska Southeast	1,603	0	1,499	0	0	0	0	0	0	0	0	104
Univ of Ark Little Rock	586	0	0	145	0	0	0	0	201	30	76	134
Univ of N C at Charlotte	1,750	0	70	40	36	0	93	0	262	100	1,149	0
Univ of N C at Wilmington	657	0	0	0	0	0	0	0	121	0	536	0
Univ of Nebraska at Omaha	401	0	0	0	0	0	0	0	122	0	175	104
Univ of Nevada Las Vegas	6,670	0	0	0	0	0	0	5,857	0	0	219	594
Univ of West Florida	531	0	0	0	0	0	0	404	0	0	127	0
Univ of Wis-Eau Claire	60	0	0	0	0	0	0	0	0	0	60	0
Univ of Wis-Green Bay	224	0	0	0	0	0	0	0	0	0	0	224
Univ of Wis-La Crosse	46	0	0	0	0	0	0	0	0	0	33	13
Univ of Wis-Oshkosh	88	0	0	0	0	0	0	0	0	0	88	0
Univ of Wis-River Falls	386	0	0	0	0	0	0	0	0	0	386	0
Univ of Wis-Stevens Point	191	0	0	0	0	0	0	0	0	0	189	2
Univ of Wis-Stout	673	0	0	0	0	673	0	0	0	0	0	0
Univ of Wis-Superior	479	0	0	0	0	0	0	375	0	0	104	0
Univ of Wis-Whitewater	43	0	0	0	0	0	16	0	0	0	27	0
Univ Houstn Clr Lake City	7,456	0	0	0	0	0	0	0	104	7,210	142	0
University of D C	1,294	480	0	72	0	0	0	20	0	290	320	112
University of Guam	1,320	1,004	58	0	0	0	0	0	97	0	57	104
Valdosta State College	52	0	0	0	0	0	0	0	0	0	52	0
Virginia State University	2,205	1,471	0	0	95	0	354	0	97	188	0	0
West Chester Univ of Penn	44	0	0	84	0	0	0	0	0	0	0	0
Western Carolina Univ	87	0	0	0	0	0	0	0	0	0	87	0
Western Conn State Univ	46	0	0	0	0	0	0	0	0	0	46	0
Western Illinois Univ	735	50	0	0	0	0	0	0	135	0	550	0
Western Kentucky Univ	216	0	0	0	0	0	0	0	121	0	95	0
Western Oregon State Coll	238	0	0	0	0	238	0	0	0	0	0	0
Western Washington Univ	1,210	0	0	396	0	0	0	61	89	0	664	0
William Paterson College	25	25	0	0	0	0	0	0	0	0	0	0
Winthrop College	113	0	0	0	0	113	0	0	0	0	0	0
Youngstown St University	94	0	0	0	0	0	0	0	94	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-13. Federal obligations to public universities and colleges
for research and development, by highest degree granted and agency:
fiscal year 1990

[Dollars in thousands]

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Bachelor's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Albany State College	39	0	0	0	0	0	0	0	0	0	39	0
Alcorn State University	1,463	1,463	0	0	0	0	0	0	0	0	0	0
Arkansas Tech University	838	0	0	0	0	0	838	0	0	0	0	0
Bluefield State College	50	0	0	0	0	0	0	0	0	0	0	50
Boise State University	158	0	0	65	0	0	0	0	0	0	93	0
Bowie State University	155	0	0	0	35	0	0	0	0	70	50	0
Central State University	605	0	0	0	301	0	11	0	76	145	72	0
Chadron State College	299	0	0	0	0	0	0	0	0	0	299	0
Eastern Montana College	91	0	0	0	0	0	0	0	0	0	91	0
Eastern Oregon St College	397	0	0	0	0	0	0	0	0	0	397	0
Elizabeth City State Univ	88	0	0	0	0	0	0	0	0	0	88	0
Evergreen State College	259	0	0	0	0	0	0	0	0	0	259	0
Fairmont State College	33	0	0	0	0	0	0	0	0	0	33	0
Fort Lewis College	50	0	0	0	0	0	0	0	0	0	50	0
Francis Marion College	74	0	0	0	0	0	0	0	0	0	74	0
Kentucky State University	2,397	2,148	0	0	0	0	0	0	0	0	249	0
Langston University	1,197	1,183	0	0	0	0	0	0	0	0	0	14
Lincoln University (PA)	661	17	0	395	0	0	0	103	106	0	40	0
Longwood College	35	0	0	0	0	0	0	0	0	0	158	0
Metropoltn St Coll Denver	158	0	0	0	0	0	0	0	0	10	0	0
Miss Valley State Univ	10	0	0	0	0	0	0	0	0	0	0	0
Mo Marianne College	525	525	0	0	0	0	0	0	0	0	0	0
Norfolk State University	205	0	0	0	0	0	58	0	0	147	0	0
Northeastern State Univ	95	0	0	0	0	0	0	0	95	0	0	0
Northern Kentucky Univ	215	0	0	0	0	0	0	93	32	0	90	0
Northern State University	10	0	0	0	0	0	0	0	0	0	0	10
Oregon Institute of Tech	225	0	0	0	0	0	225	0	0	0	0	0
Saginaw Valley State Col	2,800	0	0	0	0	0	0	0	2,800	0	0	0
Savannah State College	86	0	0	0	0	0	86	0	0	0	0	0
Shepherd College	74	0	0	0	0	0	0	0	0	74	0	0
South Carolina St College	1,536	1,223	0	100	0	0	65	0	0	11	137	0
SUNY Col at Old Westbury	318	0	0	0	0	0	0	0	246	0	72	0
SUNY College at Purchase	206	0	0	0	0	0	0	0	0	45	161	0
U of the Virgin Islands	1,053	917	0	0	0	0	0	0	0	0	32	104
U of Houston Downtown Col	996	0	0	0	0	0	771	0	0	0	0	0
U of MD University Coll	20	20	0	0	0	0	0	0	0	0	0	0
Un of NY Regents Col Deg	102	0	0	0	0	0	0	0	0	0	102	0
Univ of Ark Pine Bluff	1,345	1,234	0	90	0	0	0	0	0	0	0	21
Univ of N C at Asheville	39	0	0	0	0	0	0	0	0	0	39	0
Univ of P R-Humacao U Col	13	0	0	0	0	0	0	0	0	0	13	0
Univ of Southern Colorado	305	0	0	0	0	0	0	0	0	305	0	0
Univ of Wis-Parkside	379	0	0	79	0	0	0	0	232	0	68	0
Univ Hawaii at Hilo	286	182	0	0	0	0	76	0	0	0	0	184
Univ Sci & Arts of Okla	76	0	0	0	0	0	0	0	0	0	0	0
University of North Fla	29	0	0	0	0	0	0	0	0	0	29	0
University of Strnn Maine	338	0	0	0	0	0	0	0	179	0	159	0
Virginia Military Inst	25	0	24	0	0	0	0	0	0	0	1	0
Weber State University	24	0	0	0	0	0	0	0	0	0	24	0
West Virginia State Col	242	0	0	0	0	0	0	0	0	88	0	154

See explanatory material, if any, and SOURCE, at end of table.

Table B-13. Federal obligations to public universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

(Dollars in thousands)

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No Science Degree Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Ala Avn and Tech College	220	0	0	0	0	0	0	0	0	0	220	0
Allegheny Community Col	4	0	0	0	0	0	0	0	0	0	4	0
American Samoa Cmty Col	592	592	0	0	0	0	0	0	0	0	0	0
Charles County Cmty Col	9	0	0	0	0	0	0	0	0	0	9	0
City Colleges of Chicago	38	0	0	0	0	0	0	0	0	0	38	0
Cmty Col of Micronesia	304	304	0	0	0	0	0	0	0	0	0	0
Cmty Col of Philadelphia	2	0	0	0	0	0	0	0	0	0	0	2
Cuyahoga Cmty Col Dist	24	0	0	0	0	0	0	0	0	24	0	0
CUNY NY City Tech Col	79	0	0	0	0	0	0	0	0	0	79	0
Del Mar College	60	0	0	0	0	0	0	0	0	0	60	0
Eastern Shore Cmty Col	350	0	0	0	0	0	0	0	0	0	0	350
Essex Community College	28	0	0	0	0	0	0	0	0	0	28	0
Evergreen Valley College	71	0	0	0	0	0	0	0	0	0	71	0
Foothill-Deanza CC Sys Of	286	0	0	0	0	0	0	0	0	286	0	0
Front Range Comm College	1	0	0	0	0	0	0	0	0	0	0	1
Golden West College	36	0	0	0	0	0	0	0	0	0	36	0
Houston Community College	173	0	0	0	0	0	173	0	0	0	0	0
Kansas City Kansas Cmty C	1	0	0	0	0	0	0	0	0	0	0	1
Kennesaw College	77	0	0	0	0	0	0	0	77	0	0	0
Lewis and Clark Cmty Col	251	0	0	0	0	0	0	0	0	0	251	0
Lorain County Cmty Col	44	0	0	0	0	0	0	0	0	44	0	0
Maricopa Co C C Sys Off	800	0	0	0	0	0	0	0	0	0	800	0
Merritt College	176	0	0	0	0	0	0	0	176	0	0	0
Mid Plains Cmty Col Area	1	0	0	0	0	0	0	0	0	0	0	1
Minn Cmty Col System Off	329	0	0	0	0	0	0	0	0	0	0	329
Mountain Empire Cmty Col	25	0	0	0	0	0	0	0	0	0	25	0
Muskegon Area Tech Col	28	0	0	0	0	0	0	0	0	0	28	0
Nashville State Tech Inst	20	0	0	0	0	0	0	0	0	0	20	0
North Idaho College	1	0	0	0	0	0	0	0	0	0	0	1
Northwest College	38	0	0	0	0	0	0	0	0	0	38	0
Oakland Community College	88	0	0	45	0	0	43	0	0	0	0	0
Oglala Lakota College	178	0	0	0	0	0	0	0	178	0	0	0
Parkland College	124	0	0	0	0	0	0	0	0	0	124	0
Portland Community Col	3	0	0	0	0	0	0	0	0	0	0	3
Prince Georges Cmty Col	122	0	0	0	0	0	0	0	0	0	122	0
San Juan College	26	0	0	0	0	0	0	0	10	0	0	16
Southside VA Cmty College	101	0	0	0	0	0	0	0	0	0	101	0
Southwestern Oreg Cmty Col	3	0	0	0	0	0	0	0	0	0	0	3
Spokane Falls Cmty Col	8	0	0	0	0	0	0	0	0	0	0	8
St Louis Community Col	25	0	0	0	0	0	0	0	25	0	0	0
SUNY Ag & Tech Cobleskill	58	0	0	0	0	0	0	0	0	0	58	0
SUNY Fashion Inst Tech	1,708	0	0	0	1,708	0	0	0	0	0	0	0
SUNY Hudson Val Cmty Col	100	0	0	0	0	0	0	0	0	0	100	0
Thomas Nelson Cmty Col	15	0	0	0	0	0	0	0	15	0	0	0
Tidewater Community Col	371	0	0	0	371	0	0	0	0	0	0	0
U P R - Regional Col Admn	373	0	0	0	0	0	0	0	0	0	373	0
Univ of Maine Augusta	104	0	0	0	0	0	0	0	0	0	0	104
Univ of Wis-Center System	515	0	0	0	0	0	515	0	0	0	0	0
Western Wyoming Cmty Col	16	0	0	0	0	0	0	0	0	0	0	16

1/ In this table, Department of Defense research (DOD Res.) is reported separately from DOD development (DOD Dev.). DOD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

2/ Includes DOT, AID, HUD, Labor, NRC, and Interior.

Source: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table 8-14. Federal obligations to private universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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Doctorate-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Adelphi University	218	0	0	0	0	0	0	0	218	0	0	0
Albany Medical College	6,056	0	0	0	0	0	0	0	5,999	0	57	0
Alfred University	306	0	0	0	0	0	0	0	0	0	306	0
American University	1,441	0	0	0	0	0	104	0	698	61	578	0
Andrews University	65	0	0	0	0	0	0	0	0	0	65	0
Baylor Col of Dentistry	715	0	0	0	0	0	0	0	715	0	0	0
Baylor Col of Medicine	72,260	7,962	0	677	0	757	384	0	61,753	727	0	0
Baylor University	1,823	0	0	0	406	0	0	0	0	0	566	3
Boston College	3,581	0	0	0	0	0	0	108	2,070	181	866	356
Boston University	59,380	0	100	2,392	3,966	1,052	2,331	100	41,385	988	7,066	0
Brandeis University	17,642	0	0	150	0	73	594	0	11,902	334	4,089	500
Brigham Young University	4,893	107	0	254	0	0	641	138	867	0	2,686	0
Brown University	33,342	0	62	7,051	0	0	3,265	0	12,893	1,244	8,531	296
Bryn Mawr College	629	0	0	0	0	0	0	0	389	0	240	0
California Inst of Tech	69,228	0	90	10,872	0	0	8,855	314	14,362	9,094	24,140	1,531
Carnegie-Mellon Univ	50,025	125	0	14,078	8,373	0	3,873	0	5,986	2,778	14,389	423
Casa Western Reserve Univ	71,263	0	0	3,682	0	500	407	347	54,114	6,598	5,615	0
Catholic Univ of America	4,443	82	189	0	99	0	262	0	615	871	628	0
Charles R. Drew MedSci	3,814	0	0	0	0	0	0	0	3,814	0	0	0
Chicago Col of Osteo Med	153	0	0	0	0	0	0	0	153	0	0	0
Claremont U Ctr & Grad Sc	19	0	0	0	0	0	0	0	0	0	19	0
Clark Atlanta University	7,947	0	0	1,367	233	0	4,340	0	48	302	1,657	0
Clark University	1,456	0	0	134	0	0	91	80	90	0	504	587
Clarkson University	4,544	0	127	629	0	0	389	0	171	1,805	1,325	98
Columbia U Teachers Col	800	0	0	0	0	800	0	0	0	0	0	0
Columbia Univ Main Div	153,171	5	736	8,899	1,164	175	6,807	480	98,778	5,498	29,042	1,587
Cornell University	903	0	0	0	0	0	0	0	591	0	312	0
Craigton University	144,749	9,868	282	13,835	0	0	4,445	1,287	64,480	5,345	43,554	1,653
CUNY Mount Sinai Schl Med	2,689	0	0	100	0	0	0	0	2,526	0	63	0
Dartmouth College	43,954	0	0	0	0	291	101	86	43,109	216	151	0
De Paul University	31,409	230	0	2,121	0	0	576	0	25,718	854	1,910	0
Drexel University	594	0	0	0	0	0	0	0	519	0	75	0
Duke University	7,155	0	10	1,633	40	0	304	483	1,651	562	2,452	10
Duquesne University	116,109	505	167	3,158	2,085	0	3,986	1,582	93,949	765	9,942	0
Eastern VA Medical School	80	0	0	0	0	0	0	0	80	0	0	0
Emory University	6,089	0	0	0	0	0	0	0	1,800	139	0	4,150
Fairleigh Dickinson Univ	49,581	0	0	799	0	50	82	0	46,239	297	2,114	0
Florida Inst of Tech	650	0	535	0	0	0	0	0	0	0	0	15
Fordham University	1,097	0	0	140	0	0	0	75	471	0	411	0
George Washington Univ	1,252	0	0	0	0	0	0	0	1,127	0	125	0
Georgetown University	23,387	0	91	2,474	72	229	647	171	16,473	2,240	990	0
Hahnemann University	28,740	385	13	2,158	206	1,218	295	345	22,147	0	1,083	920
Harvard University	6,795	0	0	643	0	0	0	0	6,140	0	12	0
Hofstra University	148,055	0	65	5,509	1,500	500	5,317	935	108,223	3,801	19,361	2,844
Howard University	235	0	0	29	0	0	0	0	114	92	0	0
Illinois Inst of Tech	15,541	110	53	830	77	3,432	46	50	4,493	877	5,374	199
Inst of Paper Sci & Tech	8,174	0	0	1,245	1,778	0	0	666	3,296	81	1,108	0
Johns Hopkins University	1,112	0	0	0	0	0	1,112	0	0	0	0	0
Kirkville Col Osteo Med	470,935	154	237	9,650	247,955	4,992	2,325	333	190,178	4,503	8,460	2,148
Loma Linda University	211	0	0	0	0	0	0	0	211	0	0	0
Long Island University	10,825	44	266	2,102	0	159	1,693	300	828	237	5,156	40
Loyola Univ - Chicago	2,325	0	0	0	0	0	0	0	2,210	0	115	0
Maharishi Int'l University	355	0	0	0	0	0	0	0	0	0	355	0
Marquette University	7,513	13	0	321	0	0	20	97	5,844	0	1,213	5
Mass Inst of Technology	352	3	0	0	0	0	0	0	190	0	159	0
Medical College of Wis	2,871	200	0	71	0	82	34	1,069	373	0	1,042	0
Meharry Medical College	218,318	0	2,791	48,311	857	657	46,852	533	52,337	20,894	41,692	3,394
Mercer University	21,747	75	0	0	0	0	0	193	20,491	287	353	348
Morehouse School of Med	6,608	0	0	514	84	0	155	203	4,147	0	1,505	0
New Sch for Soc Research	4,75	0	0	0	0	0	0	0	337	0	138	0
New York Medical College	4,911	0	0	0	0	0	0	289	4,572	0	50	0
New York University	435	0	0	0	0	0	0	0	435	0	0	0
Northeastern University	10,080	0	0	0	0	0	74	0	9,808	58	138	2
Northwestern University	75,749	0	0	4,484	0	176	3,933	958	59,067	422	6,709	0
Nova University	10,754	0	0	348	1,501	0	453	0	3,825	82	4,399	146
Oregon Grad Inst Sci Tech	61,100	50	15	6,761	0	1,351	3,816	0	35,994	1,135	11,887	91
Pace University	1,177	0	0	163	0	0	0	0	224	0	790	0
Phila Col of Pharm & Sci	3,808	355	0	127	0	0	897	149	766	119	545	850
Phila Col Osteopathic Med	273	0	0	0	0	0	0	0	273	0	0	0
Polytechnic University	314	0	0	0	0	0	0	0	314	0	0	0
Ponce School of Medicine	74	0	0	0	0	0	0	0	74	0	0	0
Princeton University	4,255	0	0	2,704	218	0	184	0	0	180	969	0
Rensselaer Polytech Inst	2,181	0	0	0	0	0	0	0	2,181	0	0	0
Rice University	50,474	0	1,192	8,829	0	0	5,920	700	13,059	4,023	16,635	116
Rockefeller University	18,317	0	205	5,196	223	0	2,651	382	1,800	1,695	5,967	198
Rush University	15,015	0	106	2,110	0	0	2,001	520	2,288	1,762	6,196	32
Santa Clara University	35,423	0	0	146	0	0	1,185	15	33,391	0	686	0
Seton Hall University	1,219	0	0	0	0	0	0	0	1,219	0	0	0
Smith College	658	0	0	0	0	0	0	0	89	151	418	0
Southern Methodist Univ	153	0	0	0	0	0	45	0	108	0	0	0
	987	0	42	0	0	0	0	0	460	0	485	0
	6,549	0	0	4,961	0	0	184	0	750	87	567	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-14. Federal obligations to private universities and colleges
for research and development, by highest degree granted and agency:
fiscal year 1990

[Dollars in thousands]

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Doctorate-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
St John's University (NY)	391	0	0	0	0	0	0	0	387	0	4	0
St Louis University	13,183	0	127	197	0	0	0	0	11,209	55	729	866
Stanford University	247,992	0	30	35,004	2,456	859	16,692	2,298	114,486	48,483	27,417	267
Stevens Institute of Tech	1,578	0	10	523	28	160	264	0	0	62	465	66
Syracuse University	13,690	177	0	3,058	203	509	1,159	37	5,200	116	3,032	199
Texas Christian Univ	2,698	0	0	170	0	0	0	0	2,262	0	266	0
Texas Col of Osteo Med	2,488	0	0	0	0	0	0	0	2,299	60	129	0
The Medical Col of Penna	12,588	0	0	123	0	0	0	0	12,465	0	0	0
Thomas Jefferson Univ	22,195	44	0	1,042	0	605	0	0	18,258	0	17	2,075
Tufts University	39,142	11,303	0	381	0	128	1,017	3,239	21,610	30	1,403	31
Tulane University	21,884	0	0	283	0	0	0	0	18,296	118	939	2,248
U Ctr'l Del Caribe Esc Med	359	0	0	0	0	0	0	0	359	0	0	0
U Hlth Sci/Chgo Med Sch	3,371	0	0	0	0	0	0	0	3,266	0	105	0
Union College (NY)	36	0	0	0	0	0	0	0	0	0	36	0
Univ of Pennsylvania	142,509	303	81	11,003	0	1,105	6,004	0	108,854	478	14,168	513
Univ of Southern Cal	122,734	0	684	34,238	3,946	162	1,428	727	65,483	5,454	10,346	266
University of the Pacific	817	0	0	0	0	0	0	0	660	0	157	0
University of Chicago	104,074	0	193	2,370	0	0	19,312	0	60,018	5,485	16,691	5
University of Dayton	23,852	0	60	18,147	4,330	0	0	548	87	154	473	53
University of Denver	6,876	0	0	2,666	96	0	123	73	1,434	1,211	1,235	38
University of Detroit	64	0	0	0	0	0	0	0	0	0	64	0
University of Miami	63,707	0	2,132	3,979	35	303	439	0	46,405	1,717	8,657	40
University of Notre Dame	12,302	0	0	1,111	0	0	3,546	280	2,917	252	4,196	0
University of Rochester	102,453	117	0	5,148	1,583	170	16,309	0	70,798	195	8,133	0
University of Tulsa	1,377	0	0	0	0	53	387	138	243	0	556	0
Vanderbilt University	70,585	0	0	3,336	0	904	1,814	0	59,528	2,385	2,588	30
Villanova University	767	0	0	0	0	0	0	0	468	96	68	135
Wake Forest University	29,019	0	248	209	0	0	168	0	27,419	290	685	0
Washington University	117,907	399	0	2,016	106	0	1,732	100	105,863	2,640	5,051	0
Wesleyan University	1,848	0	0	0	0	0	0	0	934	0	914	0
Woods Hole Oceanogrphic Inst	50,751	0	1,623	20,420	0	0	601	301	224	407	27,175	0
Worcester Poly Institute	1,939	0	19	275	82	0	126	4	193	154	919	167
Xavier University of LA	1,546	0	0	353	0	0	0	0	1,193	0	0	0
Yale University	142,483	279	30	5,826	450	0	8,963	182	116,077	883	9,793	0
Yeshiva University	67,045	0	0	234	0	75	0	0	68,322	0	414	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-14. Federal obligations to private universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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Master's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Abilene Christian Univ	84	0	0	0	0	0	84	0	0	0	0	0
Augustana College	76	0	0	0	0	0	0	0	0	0	76	0
Bradley University	45	0	0	0	0	0	0	0	0	0	20	25
Bucknell University	219	0	0	0	0	0	0	0	125	0	94	0
Butler University	405	11	0	0	0	0	0	335	0	0	59	0
Campbell University	8	8	0	0	0	0	0	0	0	0	0	0
Col of the Holy Cross	65	0	0	0	0	0	0	0	0	0	65	0
College of New Rochelle	790	0	0	0	0	0	0	0	0	0	790	0
Connecticut College	162	0	0	0	0	0	0	0	113	0	49	0
Cooper Union	12	0	0	0	0	0	0	0	0	0	12	0
De Pauw University	35	0	0	0	0	0	0	0	0	20	15	0
Drake University	15	0	0	0	0	0	0	0	0	0	24	0
Emerson College	24	0	0	0	0	0	0	0	0	0	0	0
Fisk University	707	0	0	0	0	0	0	0	186	0	0	0
Furman University	234	0	0	0	0	0	0	0	67	0	167	0
Gallaudet University	3,812	0	0	0	0	3,000	0	0	422	0	390	0
Gonzaga University	184	0	0	0	0	0	0	0	85	0	99	0
Hampton University	5,094	0	0	1,098	101	0	309	0	429	1,963	1,191	3
Harvey Mudd College	257	0	0	0	0	0	0	0	0	0	257	0
Heritage College	25	0	0	0	0	0	0	0	25	0	0	0
Iona College	58	0	0	0	0	0	0	0	0	0	58	0
Ithaca College	335	0	0	0	0	0	0	0	0	0	335	0
John Carroll University	318	0	0	0	0	0	0	0	0	202	116	0
Loyola College	663	0	0	125	0	0	0	0	0	0	538	0
Loyola Univ - New Orleans	4	0	0	0	0	0	0	0	0	0	4	0
Manhattan College	497	0	0	0	0	0	18	324	103	0	52	0
Middlebury College	242	0	0	54	0	0	0	0	0	76	112	0
Mississippi College	38	0	0	0	0	0	0	0	38	0	0	0
Monmouth College (NJ)	58	0	0	0	0	0	0	0	0	0	58	0
Monterey Inst Intl Study	19	0	0	0	0	0	0	0	0	0	19	0
Mount Holyoke College	958	0	0	0	0	66	60	0	42	52	738	0
National Tech University	90	0	0	90	0	0	0	0	0	0	0	0
Norwich University	43	0	0	0	0	0	0	0	0	25	18	0
Oberlin College	307	0	0	0	0	0	0	0	84	25	198	0
Occidental College	383	0	0	55	0	0	0	0	104	0	224	0
Pepperdine University	439	0	0	0	0	0	0	0	0	0	439	0
Quinnipiac College	244	0	0	0	0	0	0	0	244	0	0	0
Rider College	147	0	0	0	0	0	0	0	110	37	0	0
Rochester Inst Technology	1,806	0	0	0	0	1,602	0	0	0	104	100	0
Rollins College	44	0	0	0	0	0	0	0	0	0	44	0
Rose-Hulman Inst of Tech	256	0	0	0	0	0	0	0	0	0	256	0
St Joseph College	15	0	0	0	0	0	0	0	15	0	0	0
St Mary's Univ S Antonio	300	0	0	0	0	0	0	0	0	0	300	0
Statson University	24	0	0	0	0	0	0	0	0	0	24	0
Swarthmore College	1,364	0	0	0	0	0	0	0	0	51	1,313	0
Trinity College	308	0	0	0	0	0	0	0	33	0	275	0
Trinity University	562	0	0	35	0	0	0	0	249	0	278	0
Tuskegee University	4,151	1,770	0	550	143	0	170	0	666	452	400	0
Univ of San Francisco	697	0	0	118	0	0	0	0	204	377	0	0
University of Evansville	10	0	0	0	0	0	0	0	0	10	0	0
University of Hartford	195	0	0	0	0	0	0	57	0	0	138	0
University of New Haven	70	0	0	0	0	0	0	0	0	0	70	0
University of Portland	54	0	0	0	0	0	0	54	0	0	0	0
University of Puget Sound	103	0	0	0	0	0	0	0	0	37	65	1
University of Richmond	346	0	0	0	0	0	105	0	172	38	31	0
University of San Diego	635	0	0	0	0	0	0	0	413	0	222	0
Valparaiso University	153	0	0	0	0	0	133	0	0	20	0	0
Vassar College	717	0	0	0	0	0	0	0	319	0	398	0
Walla Walla College	25	0	0	0	0	0	0	0	25	0	0	0
Washington College	16	0	0	0	0	0	0	0	0	0	16	0
Western New England Col	95	0	0	10	0	0	0	0	0	0	85	0
Widener University	60	0	0	0	0	0	0	0	0	0	60	0
Williams College	711	0	0	0	0	0	0	0	153	45	513	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-14. Federal obligations to private universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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Bachelor's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Agnes Scott College	28	0	0	0	0	0	0	0	0	0	28	0
Albion College	166	0	0	0	0	0	0	0	0	0	166	0
Allegheny College	112	0	0	0	0	0	0	0	62	0	50	0
Amherst College	960	0	0	0	0	0	0	0	354	0	606	0
Augsburg College	119	0	0	0	0	0	0	0	0	45	74	0
Augustana College	102	0	0	0	0	0	0	0	0	0	102	0
Avila College	10	0	0	0	0	0	0	0	10	0	0	0
Baldwin-Wallace College	41	0	0	0	0	0	0	0	0	41	0	0
Baptist Col at Charleston	50	0	0	0	0	0	0	0	0	0	50	0
Barnard College	511	0	0	0	0	0	0	0	425	0	86	0
Bates College	176	0	0	0	0	0	0	0	0	0	176	0
Beloit College	133	0	0	0	0	0	0	0	0	133	0	0
Benedict College	41	0	0	0	0	0	0	0	0	0	41	0
Bennett College (NC)	106	0	0	0	0	0	0	0	25	0	16	0
Berea College	67	0	0	0	0	0	0	0	106	0	0	0
Bethany College (WV)	89	0	0	0	0	0	0	0	0	0	89	0
Bethel College	23	0	0	0	0	0	0	0	23	0	0	0
Bethel College & Seminary	120	0	0	0	0	0	0	0	0	0	120	0
Bethune Cookman College	5	0	0	0	0	0	0	0	0	0	5	0
Birmingham Southern Col	124	0	0	0	0	0	0	0	0	0	124	0
Bowdoin College	487	0	0	0	0	0	0	0	0	50	437	0
Brier Cliff College	21	0	0	0	0	0	0	0	21	0	0	0
Cabrini College	52	0	0	0	0	0	0	0	0	0	52	0
Calvin College	51	0	0	0	0	0	0	0	0	0	51	0
Canisius College	270	0	0	0	0	0	0	0	94	0	176	0
Capital University	42	0	0	0	0	0	0	0	0	0	42	0
Carleton College	222	32	0	0	0	0	0	0	125	0	65	0
Centre College	4	0	0	0	0	0	0	0	0	0	4	0
Chestnut Hill College	152	0	0	0	0	0	0	0	0	0	152	0
Clayton College	195	0	0	0	0	0	146	0	49	0	0	0
Coe College	27	0	0	0	0	0	0	0	0	0	27	0
Col of Notre Dame of MD	111	0	0	0	0	0	0	0	0	0	111	0
Col Mt St Joseph-on-Ohio	83	0	0	0	0	0	0	0	83	0	0	0
Colby College	212	0	0	0	0	0	0	0	0	91	121	0
Colgate University	247	0	0	0	0	0	0	0	87	0	160	0
College of Wooster	154	0	0	0	0	0	0	0	0	0	154	0
Colorado College	44	0	0	0	0	0	0	0	0	0	44	0
Columbia College	328	0	0	0	0	0	0	0	0	0	328	0
David Lipscomb University	20	0	0	0	0	0	0	0	0	0	20	0
Danison University	86	0	0	0	0	0	45	0	0	41	0	0
Dickinson College	127	0	0	0	0	0	0	0	0	0	127	0
Dillard University	10	10	0	0	0	0	0	0	0	0	0	0
Dordt College	61	0	0	0	0	0	0	0	0	0	61	0
Drury College	15	0	0	0	0	0	0	0	0	0	15	0
Eckard College	120	0	0	0	0	0	0	0	0	0	120	0
Embry-Riddle Aero Univ	548	0	0	0	0	0	0	0	0	101	266	181
Erskine College	50	0	0	0	0	0	0	0	0	0	50	0
Fairfield University	63	0	0	0	0	0	40	0	0	0	23	0
Franklin & Marshall Col	443	0	0	0	0	0	0	0	182	0	443	0
Gettysburg College	181	0	0	0	0	0	0	0	0	0	181	0
Grinnell College	176	0	0	0	0	0	0	0	0	0	176	0
Gustavus Adolphus College	397	0	0	0	0	0	0	0	0	0	397	0
GMI Engr/Management Inst	182	0	0	0	0	0	0	0	0	0	182	0
Hamilton College	470	0	0	0	0	0	0	0	62	0	408	0
Hampden-Sydney College	54	0	0	0	0	0	54	0	0	0	0	0
Hampshire College	188	0	0	0	0	0	0	0	51	0	137	0
Haverford College	593	0	0	0	0	0	0	0	103	0	490	0
Heidelberg College	28	0	0	0	0	0	0	0	108	28	0	0
Hellenic Col Holy Cross	108	0	0	0	0	0	0	0	0	0	108	0
Hendrix College	41	0	0	0	0	0	0	0	0	0	41	0
Hope College	489	0	0	0	0	0	0	0	103	0	386	0
Jarvis Christian College	125	0	0	50	0	0	0	0	75	0	0	0
John Brown University	7	0	0	0	0	0	0	0	1	0	0	0
Johnson C Smith Univ	7	0	0	0	0	0	0	0	0	0	0	0
Junata College	186	0	0	0	0	0	0	0	0	0	186	0
Kanjon College	416	0	0	0	0	0	0	0	24	55	337	0
Knox College	271	0	0	0	0	0	0	0	158	0	113	0
La Salle University	73	0	0	73	0	0	0	0	0	0	0	0
Lafayette College	12	0	0	0	0	0	0	0	0	0	12	0
Lake Forest College	99	0	0	0	0	0	0	0	0	0	99	0
Lawrence Technical Univ	68	0	0	0	0	0	0	0	0	0	68	0
Le Moyne College	50	0	0	0	0	0	0	0	0	0	50	0
Le Moyne-Owen College	270	0	0	25	0	0	0	0	0	0	25	0
Lewis & Clark College	93	0	0	0	0	0	0	0	50	0	220	0
Linfield College	105	0	0	0	0	0	0	0	0	0	105	0
Luther College	49	0	0	0	0	0	0	0	16	0	33	0
Macalester College	270	0	0	0	0	0	0	0	0	0	270	0
Mary Baldwin College	12	0	0	0	0	0	0	0	0	0	12	0
Marygrove College	25	0	0	0	0	0	0	0	25	0	0	0
Marymount College (NY)	25	0	0	0	0	0	0	0	25	0	0	0
Merrimack College	28	0	0	0	0	0	0	0	0	0	28	0
Hills College	92	0	0	0	0	0	0	0	0	0	92	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-14. Federal obligations to private universities and colleges
for research and development, by highest degree granted and agency:
fiscal year 1990

[Dollars in thousands]

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Bachelor's-granting Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Morehouse College	391	0	0	189	0	0	0	0	213	0	0	9
Morris Brown College	172	0	0	54	0	0	14	0	104	0	0	0
N Y Col of Podiatric Med	43	0	0	0	0	0	0	0	43	0	0	0
Nazareth Col of Rochester	25	0	0	0	0	0	0	0	25	0	0	0
Nebraska Wesleyan Univ	44	0	0	0	0	0	0	0	0	0	100	0
Notre Dame College (OH)	100	0	0	0	0	0	0	0	0	0	0	5
Ohio Northern University	5	0	0	0	0	0	0	0	0	0	4	0
Ohio Wesleyan University	105	0	0	181	0	0	0	0	0	0	0	0
Quachita Baptist Univ	77	0	0	77	0	0	0	0	0	0	0	0
Paul Quinn College	25	0	0	0	0	0	0	0	25	0	0	0
Pennsylvania Col Optomet	692	0	0	0	4	246	0	0	446	0	0	0
Pitzer College	213	0	0	0	0	0	0	0	213	0	0	0
Point Loma College	32	0	0	0	0	0	0	0	0	0	32	0
Pomona College	326	0	0	0	0	0	0	0	71	0	255	0
Queens College	5	0	0	0	0	0	0	0	0	0	0	5
Radcliffe College	499	0	0	233	0	0	26	0	354	10	28	0
Reed College	418	0	0	0	0	0	0	0	0	0	4	0
Regis College	4	0	0	0	0	0	0	0	0	0	0	0
Regis College	131	0	0	131	0	0	0	0	0	0	0	0
Rust College	12	12	0	0	0	0	0	0	0	0	0	0
Sacred Heart University	213	0	0	0	0	0	0	0	0	0	213	0
Seattle Pacific Univ	24	0	0	0	0	0	0	0	0	0	24	0
Shaw University	20	20	0	0	0	0	0	0	0	0	0	0
Siena College	79	0	0	0	0	0	0	0	79	0	0	0
Simmons College	414	0	0	0	0	0	0	0	362	0	52	0
Southern Col of Optometry	60	0	0	0	0	0	0	0	60	0	0	0
Southwestern College	25	0	0	0	0	0	0	0	25	0	0	0
Spelman College	255	0	0	62	0	0	0	0	0	0	190	43
St Edward's University	25	0	0	0	0	0	0	0	25	0	0	0
St John Fisher College	73	0	0	0	0	0	73	0	0	0	0	0
St Lawrence University	23	0	0	0	0	0	0	0	0	0	15	0
St Mary College	13	0	0	0	0	0	0	0	0	0	13	0
St Mary's College	4	0	0	0	0	0	0	0	0	0	4	0
St Norbert College	14	0	0	0	0	0	0	0	0	14	0	0
St Olaf College	548	0	0	0	0	0	0	0	0	0	548	0
Sterling College	10	10	0	0	0	0	0	0	0	0	0	0
Susquehanna University	9	0	0	0	0	0	0	0	0	0	9	0
Travecca Nazarene College	17	0	0	0	0	0	0	0	0	0	17	0
Univ of the Sacred Heart	39	0	0	0	0	0	0	0	0	0	39	0
Univ of Saint Thomas	105	0	0	0	0	0	0	0	80	0	25	0
University of Dallas	225	0	0	0	0	0	0	0	0	0	225	0
University of Tampa	19	0	0	19	0	0	0	0	0	0	0	0
Voorhees College	14	0	0	0	0	0	14	0	0	0	0	0
Washington & Lee Univ	54	0	0	0	0	0	0	0	0	0	54	0
Wellesley College	1,607	0	0	97	0	0	0	0	712	119	520	159
Wentworth Inst of Tech	1,609	0	0	506	1,103	0	0	0	0	0	0	0
Western Maryland College	57	0	0	0	0	0	0	0	0	0	57	0
Westminster College (PA)	153	0	0	0	0	0	0	0	0	0	153	0
Westmont College	45	0	0	0	0	0	0	0	0	0	45	0
Wheaton College	32	0	0	0	0	0	0	0	0	32	0	0
Whitman College	36	0	0	0	0	0	0	0	0	0	36	0
Wilberforce University	10	10	0	0	0	0	0	0	0	0	0	0
Wiley College	113	0	0	0	0	0	0	0	0	0	113	0
William Woods College	11	0	0	0	0	0	0	0	11	0	0	0
Wittenberg University	70	0	0	0	0	0	0	0	0	70	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-16. Federal obligations to private universities and colleges for research and development, by highest degree granted and agency: fiscal year 1990

[Dollars in thousands]

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No Science Degree Institutions	Total	USDA	Com	DOD Res. 1/	DOD Dev. 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Alaska Pacific University	33	0	0	0	0	0	0	0	0	0	0	33
Amer Grad Sch of Intl Man	46	0	0	0	0	46	0	0	0	0	0	0
Bank Street Col of Ed	800	0	0	0	0	800	0	0	0	0	0	0
Bentley College	190	0	0	0	0	0	0	0	0	0	190	0
College of the Atlantic	4	0	0	0	0	0	0	0	0	0	0	4
Lawrence University	165	0	0	0	0	0	9	0	0	0	0	165
Lesley College	347	0	0	0	0	0	0	0	0	0	0	347
National Hispanic Univ.	77	0	0	0	0	0	77	0	0	0	0	0
Selma University	140	24	0	0	0	0	116	0	0	0	0	0
Wheelock College	377	0	0	0	0	0	0	0	20	0	357	0
Beckley College	958	0	0	0	0	0	958	0	0	0	0	0
Catholic Medical Center	1,113	0	0	0	0	0	0	0	1,113	0	0	0
Fort Belkold Cmty College	2	0	0	0	0	0	0	0	0	0	0	2
Haywood Technical Inst	1	1	0	0	0	0	0	0	0	0	0	0
Lincoln College	1,378	0	0	0	0	0	0	0	0	0	0	1,378
Simon's Rock	99	0	0	0	0	0	0	0	25	0	74	0

1/ In this table, Department of Defense research (DOD Res.) is reported separately from DOD development (DOD Dev.). DOD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

2/ Includes DOE, AID, HUD, Labor, HRC, and Interior.

Source: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-15. Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received: fiscal years 1983-90 1/

[Dollars in thousands]

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Institution (ranked by Rank amount received in fiscal year 1990)	1983	1984	1985	1986	1987	1988	1989	1990
Total, all institutions	49,102	50,321	56,593	57,042	62,632	62,770	92,117	101,028
1 Howard University	8,777	8,807	13,733	9,497	9,173	6,719	12,291	15,541
2 Clark Atlanta University	1,967	1,753	3,310	3,363	2,606	2,959	5,379	7,947
3 Meharry Medical College	1,791	1,335	2,641	3,024	5,197	3,865	5,923	6,608
4 NC Ag & Tech State Univ	3,789	3,609	3,191	3,620	3,421	4,234	6,617	6,078
5 Hampton University	996	992	1,160	1,326	1,629	1,686	3,464	5,094
6 Morehouse School of Med	315	733	335	1,628	2,188	2,211	3,862	4,911
7 Alabama A & M University	1,730	2,632	2,488	2,660	3,580	3,853	4,477	4,702
8 Florida A & M University	1,301	1,725	2,633	2,368	2,526	2,194	3,340	4,542
9 Tuskegee University	3,515	3,021	2,524	3,021	3,027	3,323	3,627	4,151
10 Tennessee State Univ	1,903	2,443	2,235	2,307	2,849	2,751	3,031	3,988
Total 1st 10 institutions	26,086	27,050	34,250	32,814	36,196	33,805	52,011	63,562
11 Prairie View A & M Univ	2,911	2,696	2,257	2,308	2,345	2,526	2,839	3,296
12 Jackson State University	1,075	939	435	1,279	1,827	2,314	3,204	3,136
13 Kentucky State University	1,580	1,637	1,612	1,638	1,848	1,789	1,919	2,397
14 Virginia State University	1,754	1,426	1,769	1,863	1,906	1,625	1,776	2,205
15 Southern U & AM College	1,659	1,732	1,286	1,805	1,710	1,543	1,991	2,079
16 Fort Valley State College	1,681	1,828	1,841	1,753	1,432	1,594	1,684	2,014
17 Lincoln University (MO)	1,477	1,515	1,548	1,452	1,447	1,552	1,674	1,902
18 U of MD Eastern Shore	1,325	762	779	776	1,152	810	1,023	1,886
19 Texas Southern Univ	222	760	384	1,415	1,511	1,554	1,612	1,795
20 Xavier University of LA	12	149	130	90	110	998	8,545	1,546
Total 1st 20 institutions	39,782	40,494	46,211	47,193	51,484	50,110	78,278	85,818
21 South Carolina St College	1,137	1,188	996	1,112	1,189	1,154	1,593	1,536
22 Alcorn State University	1,382	1,365	1,191	1,348	1,338	1,378	1,447	1,463
23 Univ of Ark Pine Bluff	1,124	1,185	1,236	1,157	1,166	1,215	1,262	1,345
24 University of D C	636	818	822	749	756	633	1,038	1,294
25 Langston University	1,016	1,034	885	1,073	1,100	1,114	1,146	1,197
26 U of the Virgin Islands	1,067	599	931	916	1,026	1,091	1,052	1,053
27 Morgan State University	760	372	813	274	517	469	647	1,041
28 Fisk University	90	384	264	934	443	574	469	707
29 Lincoln University (PA)	0	357	417	360	351	272	648	661
30 Central State University	72	52	106	0	0	135	227	605
Total 1st 30 institutions	47,066	47,848	53,872	55,116	59,370	58,145	87,807	96,720
31 Grambling State Univ	117	10	102	124	251	378	594	557
32 Delaware State College	491	508	455	441	461	481	487	545
33 North Carolina Centrl Univ	75	141	534	0	344	545	402	395
34 Morehouse College	546	313	558	392	43	428	333	391
35 Le Moyne-Owen College	0	0	0	0	13	0	0	270
36 Spelman College	0	204	129	33	215	294	230	255
37 West Virginia State Col	0	0	0	0	59	0	75	242
38 Norfolk State University	83	114	35	82	143	315	816	205
39 Claflin College	0	0	0	48	52	76	30	195
40 Morris Brown College	0	0	14	0	0	0	10	172
Total 1st 40 institutions	48,378	49,138	55,699	56,236	60,951	60,662	90,784	99,947
41 Bowie State University	112	150	300	70	130	171	0	155
42 Selma University	34	0	0	0	141	183	0	140
43 Jarvis Christian College	0	0	0	0	0	0	59	125
44 Wiley College	0	0	0	0	0	0	55	113
45 Bennett College (NC)	0	0	0	0	40	41	45	106
46 Elizabeth City State Univ	0	0	0	0	0	12	0	88
47 Savannah State College	0	0	0	0	39	90	115	86
48 Bluefield State College	0	0	0	0	0	0	0	50
49 Benedict College	0	406	224	151	25	4	25	41
50 Albany State College	0	0	0	0	97	380	0	39
Total 1st 50 institutions	48,524	49,694	56,223	56,457	61,403	61,543	91,083	100,890

See explanatory material, if any, and SOURCE, at end of table.

Table 8-15. Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received: fiscal years 1983-90 1/

[Dollars in thousands]

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Institution (ranked by amount received in fiscal year 1990) Rank	1983	1984	1985	1986	1987	1988	1989	1990
51 Coppin State College	20	85	0	0	0	0	0	25
52 Paul Quinn College	0	0	0	0	0	0	25	25
53 Shaw University	0	0	0	85	0	0	0	20
54 Voorhees College	0	0	0	85	48	62	63	14
55 Rust College	0	43	90	53	55	76	52	12
56 Wilberforce University	0	0	0	0	0	0	0	10
57 Miss Valley State Univ	0	31	0	0	728	606	606	10
58 Dillard University	10	100	93	27	41	0	0	10
59 Johnson C Smith Univ	0	0	0	0	0	0	0	7
60 Bethune Cookman College	0	0	20	0	0	0	92	5
Total 1st 60 institutions	48,554	49,953	56,426	56,707	62,275	62,287	91,921	101,028
Alabama State University	104	168	0	45	76	90	74	0
Bishop College	30	32	0	0	64	67	0	0
Coahoma Community College	50	0	0	0	0	0	0	0
Edward Waters College	55	0	0	0	0	0	0	0
Florida Memorial College	72	0	0	0	0	0	0	0
Knoxville College	0	0	0	7	7	0	0	0
Lane College	1	0	0	0	0	0	0	0
Oakwood College	75	118	0	75	75	0	0	0
Paine College	0	0	0	0	44	43	0	0
Philander Smith College	0	0	0	0	0	0	5	0
Total 1st 70 institutions	48,941	50,271	56,426	56,834	62,541	62,487	92,000	101,028
Prentiss Norm & Ind Inst	97	0	0	0	0	0	0	0
Shaw College at Detroit	64	0	0	0	0	0	0	0
St Augustines College	0	50	0	0	0	0	50	0
Tougaloo College	0	0	75	96	0	156	0	0
Winston-Salem State Univ	0	0	92	112	91	127	67	0
Total 1st 75 institutions	49,102	50,321	56,593	57,042	62,632	62,770	92,117	101,028

1/ Institutions having no current year obligations are listed in alphabetical order.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-16. Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 1

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	101,028	29,766	53	10,021	3,432	8,815	811	20,770	788	9,633	16,237	702
1	Howard University	15,541	110	53	907	3,432	46	50	4,493	0	877	5,374	199
2	Clark Atlanta University	7,947	0	0	1,600	0	4,340	0	48	0	302	1,657	0
3	Meharry Medical College	6,608	0	0	598	0	155	203	4,147	0	0	1,505	0
4	NC Ag & Tech State Univ	6,078	2,413	0	1,056	0	77	75	100	0	1,653	554	150
5	Hampton University	5,094	0	0	1,199	0	309	0	429	0	1,963	1,191	3
6	Morehouse School of Med	4,911	0	0	0	0	0	289	4,572	0	0	50	0
7	Alabama A & M University	4,702	1,975	0	458	0	215	33	50	0	991	980	0
8	Florida A & M University	4,542	1,330	0	735	0	16	0	1,224	0	181	994	62
9	Tuskegee University	4,151	1,770	0	693	0	170	0	666	0	452	400	0
10	Tennessee State Univ	3,988	2,046	0	50	0	14	0	1,359	0	348	171	0
	Total 1st 10 institutions	63,562	9,644	53	7,296	3,432	5,342	650	17,088	0	6,767	12,876	414
11	Prairie View A & M Univ	3,296	2,529	0	20	0	315	0	0	0	331	101	0
12	Jackson State University	3,136	0	0	271	0	1,811	0	0	171	248	635	0
13	Kentucky State University	2,397	2,148	0	0	0	0	0	0	0	0	249	0
14	Virginia State University	2,205	1,471	0	95	0	354	0	97	0	108	0	0
15	Southern U & A&M College	2,079	1,752	0	102	0	0	0	25	50	0	150	0
16	Fort Valley State College	2,014	1,759	0	0	0	203	0	52	0	0	0	0
17	Lincoln University (MO)	1,902	1,873	0	0	0	0	0	29	0	0	0	0
18	U of MD Eastern Shore	1,886	1,445	0	0	0	130	0	0	0	0	311	0
19	Texas Southern Univ	1,795	0	0	0	0	20	0	1,280	0	461	29	5
20	Xavier University of LA	1,546	0	0	353	0	0	0	1,193	0	0	0	0
	Total 1st 20 institutions	85,818	22,621	53	8,137	3,432	8,175	650	19,735	250	7,995	14,351	419
21	South Carolina St College	1,536	1,223	0	100	0	65	0	0	0	11	137	0
22	Alcorn State University	1,463	1,463	0	0	0	0	0	0	0	0	0	0
23	Univ of Ark Pine Bluff	1,345	1,234	0	90	0	0	0	0	21	0	0	0
24	University of D C	1,294	480	0	72	0	0	20	0	112	290	320	0
25	Langston University	1,197	1,183	0	0	0	0	0	0	14	0	0	0
26	U of the Virgin Islands	1,053	917	0	0	0	0	0	0	104	0	32	0
27	Morgan State University	1,041	0	0	0	0	130	0	0	0	386	401	124
28	Fisk University	707	0	0	0	0	0	0	0	0	491	66	150
29	Lincoln University (PA)	661	17	0	395	0	0	103	106	0	0	40	0
30	Central State University	605	0	0	301	0	11	0	76	0	145	72	0
	Total 1st 30 institutions	96,720	29,138	53	9,095	3,432	8,381	773	19,917	501	9,318	15,419	693
31	Grenbling State Univ	557	0	0	199	0	0	0	181	40	0	137	0
32	Delaware State College	545	545	0	0	0	0	0	0	0	0	0	0
33	North Carolina Cntrl Univ	395	0	0	357	0	0	38	0	0	0	0	0
34	Morehouse College	391	0	0	169	0	0	0	213	0	0	0	9
35	Le Moyne-Owen College	270	0	0	0	0	0	0	50	0	0	220	0
36	Spelman College	255	0	0	62	0	0	0	0	43	0	150	0
37	West Virginia State Col	242	0	0	0	0	0	0	0	154	88	0	0
38	Norfolk State University	205	0	0	0	0	58	0	0	0	147	0	0
39	Clarlin College	195	0	0	0	0	146	0	49	0	0	0	0
40	Morris Brown College	172	0	0	54	0	14	0	104	0	0	0	0
	Total 1st 40 institutions	99,947	29,683	53	9,936	3,432	8,599	811	20,514	738	9,553	15,926	702
41	Bowie State University	155	0	0	35	0	0	0	0	0	70	50	0
42	Selma University	140	24	0	0	0	116	0	0	0	0	0	0
43	Jarvis Christian College	125	0	0	50	0	0	0	75	0	0	0	0
44	Wiley College	113	0	0	0	0	0	0	0	0	0	113	0
45	Bennett College (NC)	106	0	0	0	0	0	0	106	0	0	0	0
46	Elizabeth City State Univ	88	0	0	0	0	0	0	0	0	0	88	0
47	Savannah State College	86	0	0	0	0	86	0	0	0	0	0	0
48	Bluefield State College	50	0	0	0	0	0	0	0	50	0	0	0
49	Benedict College	41	0	0	0	0	0	0	25	0	0	16	0
50	Albany State College	39	0	0	0	0	0	0	0	0	0	39	0
	Total 1st 50 institutions	100,890	29,707	53	10,021	3,432	8,801	811	20,720	788	9,623	16,232	702
51	Coppin State College	25	0	0	0	0	0	0	25	0	0	0	0
52	Paul Quinn College	25	0	0	0	0	0	0	25	0	0	0	0
53	Shaw University	20	20	0	0	0	0	0	0	0	0	0	0
54	Voorhees College	14	0	0	0	0	14	0	0	0	0	0	0
55	Rust College	12	12	0	0	0	0	0	0	0	0	0	0
56	Miss Valley State Univ	10	0	0	0	0	0	0	0	0	10	0	0
57	Dillard University	10	0	0	0	0	0	0	0	0	0	0	0
58	Wilberforce University	10	7	0	0	0	0	0	0	0	0	0	0
59	Johnson C Smith Univ	7	0	0	0	0	0	0	0	0	0	0	0
60	Bethune Cookman College	5	0	0	0	0	0	0	0	0	0	5	0
	Total 1st 60 institutions	101,028	29,766	53	10,021	3,432	8,815	811	20,770	788	9,633	16,237	702

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-17. Federal obligations to systems of universities and colleges for research and development, by agency: fiscal year 1990 1/

[Dollars in thousands]

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Systems of universities and colleges (ranked by total R&D obligations)	Rank	Total	USDA	Com	DOD Res. 2/	DOD Dev. 2/	Ed	DOE	EPA	HHS	NASA	NSF	Other 3/
Total, all systems		3,129,207	142,130	47,927	231,379	112,245	25,985	182,455	36,295	1,564,368	200,821	513,835	71,770
University of California System	1	830,164	14,824	4,399	64,226	6,008	9,140	49,515	2,321	496,623	45,812	123,016	14,280
University of Texas System	2	274,575	222	66	20,899	22,128	112	16,410	997	176,508	10,339	22,731	4,163
University of Wisconsin System	3	172,670	7,503	2,345	7,658	57	2,573	15,453	767	86,184	12,256	35,229	2,645
University of North Carolina System	4	159,980	11,609	456	12,230	643	1,755	2,804	5,210	91,756	6,260	22,234	5,013
Columbia University System	5	155,385	5	736	8,899	1,164	975	6,807	480	99,794	5,498	29,440	1,587
University of Illinois System	6	148,412	7,365	1,500	21,024	441	1,259	13,347	1,414	47,408	4,342	47,423	2,689
State University of New York System	7	135,537	733	2,298	5,457	2,160	0	5,590	2,318	85,557	4,123	27,249	52
Utah Higher Education System	8	117,987	2,850	0	15,147	32,968	384	4,624	900	46,550	1,697	10,710	2,157
University of Maryland System	9	116,030	5,845	3,832	13,002	1,934	2,090	8,181	1,608	44,822	12,995	20,640	1,081
Universities & State Col of Arizona System	10	114,837	3,100	210	8,167	3,126	1,187	3,772	625	47,968	20,155	24,163	2,364
State University System of Florida	11	114,733	9,036	2,425	9,967	5,046	745	17,114	2,431	41,387	5,991	17,166	3,425
University System of Georgia	12	111,264	10,281	1,521	8,907	31,083	0	11,854	1,977	23,884	4,017	14,245	3,495
University of Alabama System	13	97,386	275	69	4,991	3,911	0	784	25	64,483	18,656	3,772	420
Oregon State Higher Education System	14	91,288	9,020	2,539	8,405	0	2,889	3,184	1,249	40,941	2,122	18,087	2,852
City University of New York System	15	67,643	0	0	911	0	291	2,012	86	54,003	812	8,520	1,008
Texas A&M University System	16	56,791	13,289	4,162	3,551	80	0	5,053	226	7,989	3,645	12,809	5,987
University of Hawaii System	17	48,276	4,340	6,556	3,536	0	0	1,784	0	10,130	5,775	12,828	3,327
Louisiana State University System	18	41,436	3,750	2,996	1,325	350	0	1,924	2,535	22,572	710	4,480	794
California State University & Colleges System	19	35,791	539	136	4,571	89	0	2,020	350	10,361	4,742	12,392	591
University of Missouri System	20	35,574	6,523	44	918	0	810	1,535	137	17,321	401	6,537	1,348
University of Nebraska System	21	26,346	6,559	312	729	0	0	322	57	12,020	678	2,592	3,077
University of Alaska System	22	25,027	1,315	3,961	256	0	0	1,092	100	424	7,660	9,781	1,438
University of Nevada System	23	23,111	1,380	1,453	154	0	0	3,411	6,797	3,429	270	4,353	1,864
University of Houston System	24	22,528	30	24	2,338	0	0	1,706	225	4,051	11,666	2,463	25
University of Arkansas System	25	22,413	7,014	250	652	0	1,566	215	180	7,658	171	1,627	3,080
University of New Hampshire System	26	20,977	1,736	2,617	591	0	0	705	844	1,971	8,341	3,916	256
University of Puerto Rico System	27	15,421	4,110	594	535	27	0	27	0	5,595	200	4,229	104
Montana University System	28	13,041	2,963	0	239	0	0	51	1,073	2,386	429	5,190	710
University of Maine System	29	9,318	3,053	2,210	213	0	0	77	1,082	608	109	1,197	769
State Univ & Cmty Col System of Tennessee	30	9,191	2,046	0	314	0	0	316	215	3,868	423	1,104	905
Southern Illinois University System	31	7,166	688	0	760	0	125	75	0	3,538	159	1,463	358
State University System of Minnesota	32	2,143	0	0	0	0	74	0	0	1,529	0	540	0
University of Tennessee System	33	1,487	0	0	733	659	0	70	0	25	0	0	0
Virginia Community College System	34	862	0	0	0	371	0	0	0	0	15	126	350
Claremont Colleges System	35	815	0	0	0	0	0	0	0	284	0	531	0
Massachusetts State College System	36	580	0	0	0	0	0	555	0	25	0	0	0
University of South Dakota System	37	479	0	0	30	0	0	0	0	375	26	30	18
University of Massachusetts System	38	328	112	216	0	0	0	0	0	0	0	0	0
Foothill-Deanza Community Col District System	39	286	0	0	0	0	0	0	0	0	286	0	0
State System of Higher Education	40	278	0	0	44	0	0	0	66	83	0	85	0
University of South Texas System	41	230	15	0	0	0	0	66	0	79	40	30	0
Peralta Community College System	42	176	0	0	0	0	0	0	0	176	0	0	0
California School of Prof Psychology System	43	0	0	0	0	0	0	0	0	0	0	0	0
Fundacion Educativa G Mendez System	44	0	0	0	0	0	0	0	0	0	0	0	0
Indiana University Systems	45	0	0	0	0	0	0	0	0	0	0	0	0

1/ Includes obligations to every individual institution included within each system.

2/ In this table, Department of Defense research (DOD Res.) is reported separately from DOD development (DOD Dev.). DOD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

3/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	2,282,751	8,945	18,233	579,708	23,299	255,347	28,263	1,096,547	926	98,592	145,475	27,416
New England, total	527,592	326	451	123,402	1,996	1,505	1,031	362,996	0	14,996	20,815	74
Connecticut, total	7,794	0	0	150	0	0	204	5,928	0	0	1,502	10
Conn Bus&Indust Associat	550	0	0	0	0	0	0	0	0	0	550	0
Danbury Hosp	15	0	0	0	0	0	0	15	0	0	0	0
Hartford Hospital	83	0	0	0	0	0	0	83	0	0	0	0
Haskins Laboratories Inc	2,425	0	0	0	0	0	0	2,310	0	0	115	0
Human Relations Area File	33	0	0	0	0	0	0	0	0	0	33	0
John B Pierce Fdn of Conn	2,750	0	0	150	0	0	18	2,582	0	0	0	0
Save The Children	10	0	0	0	0	0	0	0	0	0	0	10
Sigma XI Society	60	0	0	0	0	0	0	0	0	0	60	0
Societal Inst of Math Sci	871	0	0	0	0	0	186	623	0	0	62	0
St Francis Hosp & Med	315	0	0	0	0	0	0	315	0	0	0	0
Thames Science Center	536	0	0	0	0	0	0	0	0	0	536	0
Yale Southern Observa, Inc	146	0	0	0	0	0	0	0	0	0	146	0
Maine, total	22,428	0	0	276	0	147	113	19,780	0	378	1,731	3
Charles A Dean Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Eastern Maine Med Ctr	101	0	0	0	0	0	0	101	0	0	0	0
Fdn Blood Research	325	0	0	0	0	0	0	0	0	0	325	0
Innovative Prod Research	20	0	0	0	0	20	0	0	0	0	0	0
Jackson Lab	19,688	0	0	0	0	127	0	19,362	0	0	199	0
Mt Desert Island Biol Lab	352	0	0	0	0	0	0	267	0	0	85	0
N E Resch Fdn	1,790	0	0	276	0	0	113	0	0	378	1,023	0
The Acadia Institute	99	0	0	0	0	0	0	0	0	0	99	0
Women Unlimited	3	0	0	0	0	0	0	0	0	0	0	3
Massachusetts, total	481,426	300	451	122,976	1,996	1,345	714	322,889	0	14,511	16,195	49
Amer Acad of Arts & Sci	1,284	0	0	0	0	0	0	0	0	0	1,284	0
Amer Assoc Varble Star Ob	84	0	0	0	0	0	0	0	0	84	0	0
Amer Meteorological Soc	95	0	0	0	0	0	52	0	0	40	0	0
Ass Scltsts at Woods Hole	48	0	0	0	0	0	0	0	0	0	48	0
Assn for Women In Math	35	0	0	0	0	0	0	0	0	0	35	0
Bay State Medical Center	61	0	0	0	0	0	0	61	0	0	0	0
Berkshire Med Ctr	500	0	0	0	0	0	0	500	0	0	0	0
Beth Israel Hospital	16,155	0	0	0	0	0	0	16,100	0	55	0	0
Beverly Hospital	165	0	0	0	0	0	0	165	0	0	0	0
Boston Biomed Res Inst	4,079	0	0	0	0	0	0	3,964	0	0	115	0
Boston Mental Hlth Fdn	251	0	0	0	0	0	0	251	0	0	0	0
Brigham and Women's Hosp	61,715	0	0	0	0	0	432	61,075	0	130	78	0
Children's Hospital	27,030	0	0	0	0	0	0	26,845	0	153	24	0
Childrens Museum Boston	142	0	0	0	0	0	0	0	0	0	142	0
Computer Museum	96	0	0	0	0	0	0	0	0	0	96	0
Ctr for Blood Research	7,064	0	0	0	0	0	0	7,064	0	0	0	0
Ctr Hlth Economic Resch	905	0	0	0	0	0	0	905	0	0	0	0
Dana-Farber Cancer Inst	41,687	0	0	0	0	0	0	41,476	0	0	211	0
Draper Laboratories	136,012	0	0	121,976	0	0	0	0	13,667	0	369	0
Educ and Resources Group	154	0	0	0	0	0	0	0	0	0	154	0
Education Development Ctr	2,680	0	0	0	0	0	0	0	0	0	2,680	0
Ek Shriver Ctr Ment Ret	4,525	0	0	0	0	0	0	4,451	0	0	74	0
Factory Mutual Research	226	0	176	0	0	0	50	0	0	0	0	0
Faulkner Hospital	135	0	0	0	0	0	0	135	0	0	0	0
Forsyth Dental Center	5,387	0	0	0	0	0	0	5,387	0	0	0	0
Frontier Sci & Tech R	1,585	0	0	0	0	0	0	1,585	0	0	0	0
Hebrew Rehab Center	1,855	0	0	0	0	0	0	1,855	0	0	0	0
Human Serv Resch Inst	173	0	0	0	0	0	0	173	0	0	0	0
Inst for Scient Resch Inc	51	0	0	0	0	0	0	0	0	0	51	0
Joslin Diabetes Fdn Inc	4,829	0	0	0	0	0	0	4,759	0	0	70	0
Lahey Clinic Fdn	164	0	0	0	0	0	0	164	0	0	0	0
Manomet Bird Observy	5	0	0	0	0	0	0	0	0	0	5	0
Maria Mitchell Observ	29	0	0	0	0	0	0	0	0	0	29	0
Marine Biological Lab	2,326	0	0	50	0	15	0	2,198	0	63	0	0
Mass Eye & Ear Infirmary	6,659	0	0	0	0	0	0	6,506	0	73	0	0
Mass General Hospital	66,461	100	0	59	0	299	0	65,916	0	20	67	0
Mass Health Research Inst	89	0	0	0	0	0	0	89	0	0	0	0
McLean Hospital	10,759	0	0	0	0	0	0	10,704	0	0	55	0
Memorial Hosp-Worcester	16	0	0	0	0	0	0	16	0	0	0	0
Mitre Corporation	1,383	0	0	0	0	0	0	1,157	0	226	0	0
Museum of Science	789	0	0	0	0	0	0	0	0	0	789	0
MA Coal for Occ Saf Hlth	45	0	0	0	0	0	0	0	0	0	0	45
N Eng Deaconess Hospital	7,678	0	0	0	0	0	0	7,678	0	0	0	0
N Eng Med Ctr & Hospitals	17,357	0	0	0	0	650	0	16,741	0	0	16	0
Natl Bureau Econ Resch Inc	4,516	0	0	0	0	0	0	1,955	0	0	2,561	0
Network Innov Schools	227	0	0	0	0	0	0	0	0	0	227	0
New England Aquarium Corp	446	0	0	0	0	0	80	0	0	0	366	0
New England Fish Dev Fdn	275	0	275	0	0	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Massachusetts, cont'd												
North Charles Mental Hlth	1,327	0	0	0	0	0	0	1,327	0	0	0	0
NE Radio Observatory Ctr	1,465	0	0	0	0	0	0	0	0	0	1,465	0
Operation Able	1	0	0	0	0	0	0	0	0	0	0	1
Retina Found	6,048	0	0	0	0	0	0	6,048	0	0	0	0
Sea Education Association	329	0	0	0	0	0	0	0	0	0	329	0
Shapens Eye Res Inst	201	0	0	201	0	0	0	0	0	0	0	0
Society of Genrl Physiol	10	0	0	0	0	0	0	0	0	0	10	0
St Elizabeth's Hospital	1,936	0	0	0	0	0	0	1,936	0	0	0	0
St Vincent Hospital	43	0	0	0	0	0	0	43	0	0	0	0
Tech Ed Rsch Ctr	4,281	0	0	0	0	0	0	0	0	0	4,281	0
The Regnl Lab Ed Improve	1,996	0	0	0	1,996	0	0	0	0	0	0	0
University Hospital	5,937	0	0	0	0	0	0	5,937	0	0	0	0
Whitehead Inst Biomed	8,523	0	0	0	0	0	0	8,050	0	0	473	0
Woods Hole Research C	1,192	0	0	690	0	222	150	0	0	0	130	0
Worcester Fdn Exp Bio	9,605	250	0	0	0	148	0	9,100	0	0	157	0
WGBH Educational Fdn	300	0	0	0	0	0	0	0	0	0	300	0
New Hampshire, total	130	0	0	0	0	0	0	100	0	0	30	0
Assoc Physcl & Systm Math	30	0	0	0	0	0	0	0	0	0	30	0
Cottage Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Rhode Island, total	15,217	26	0	0	0	13	0	14,160	0	107	904	7
Amer Mathematical Society	651	0	0	0	0	0	0	0	0	0	651	0
Assoc for Symbolic Logic	57	0	0	0	0	0	0	0	0	0	57	0
Butler Hospital	541	0	0	0	0	0	0	541	0	0	0	0
Career Connections, Inc.	3	0	0	0	0	0	0	0	0	0	0	3
Emma Pendleton Brdly	1,310	0	0	0	0	0	0	1,310	0	0	0	0
Gordon Rsch Conferences	235	26	0	0	0	13	0	0	0	0	196	0
Memorial Hosp-Pawtucket	3,190	0	0	0	0	0	0	3,190	0	0	0	0
Miriam Hospital	1,800	0	0	0	0	0	0	1,693	0	107	0	0
Options for Working Prnts	4	0	0	0	0	0	0	0	0	0	0	4
Rhode Island Hospital	2,770	0	0	0	0	0	0	2,770	0	0	0	0
Roger Williams Gen Hosp	3,375	0	0	0	0	0	0	3,375	0	0	0	0
Women & Infants Hp of	1,281	0	0	0	0	0	0	1,281	0	0	0	0
Vermont, total	597	0	0	0	0	0	0	139	0	0	453	5
Copley Hospital	34	0	0	0	0	0	0	34	0	0	0	0
Natl Gardening Assoc	453	0	0	0	0	0	0	0	0	0	453	0
NO NE Tradeswomen, Inc.	5	0	0	0	0	0	0	0	0	0	0	5
Rutland Regional Med Ctr	105	0	0	0	0	0	0	105	0	0	0	0
Middle Atlantic, total	309,434	638	1,118	20,799	3,161	3,996	1,750	210,269	20	3,967	63,254	462
New Jersey, total	15,631	0	1,118	186	0	55	0	5,290	0	0	8,782	200
Amer Fed Info Process Soc	71	0	0	0	0	0	0	0	0	0	71	0
Beth Israel Hospital (NJ)	220	0	0	0	0	0	0	220	0	0	0	0
Botanical Soc of Amer	4	0	0	0	0	0	0	0	0	0	4	0
Carrier Clinic Fdn	241	0	0	0	0	0	0	241	0	0	0	0
Consortium for Sci Comput	7,525	0	0	0	0	0	0	0	0	0	7,525	0
Coriell Inst for Med Rsch	1,696	0	0	0	0	0	0	1,696	0	0	0	0
Ctr Molecular Medlcm	2,763	0	0	0	0	0	0	2,763	0	0	0	0
Deborah Heart & Lung	169	0	0	0	0	0	0	169	0	0	0	0
Educational Testing Srvc	1,021	0	0	182	0	0	0	0	0	0	639	200
Educom, Inc	15	0	0	0	0	0	0	0	0	0	15	0
Electrochemical Society	34	0	0	4	0	30	0	0	0	0	0	0
Hackensack Hosp	116	0	0	0	0	0	0	116	0	0	0	0
New Jersey Marine Sci Con	1,118	0	1,118	0	0	0	0	0	0	0	0	0
NJ Bus Sci Ed Consortium	146	0	0	0	0	0	0	0	0	0	146	0
Overlook Hospital	85	0	0	0	0	0	0	85	0	0	0	0
Squibb Institute	25	0	0	0	0	25	0	0	0	0	0	0
W Wilson Natl Fellowship	382	0	0	0	0	0	0	0	0	0	382	0
New York, total	192,812	583	0	20,494	397	1,045	1,498	128,605	0	3,493	36,444	253
Acoustical Society Amer	17	0	0	17	0	0	0	0	0	0	0	0
Advertising Council	45	0	0	0	0	45	0	0	0	0	0	0
Am Inst of Aeron & Astron	3,355	0	0	22	0	0	0	0	0	3,333	0	0
Am Inst of Chem Engineers	25	0	0	0	0	0	25	0	0	0	0	0
Amer Cncl - Learned Soc	78	0	0	0	0	0	0	0	0	0	78	0
Amer Inst of Physics	781	0	0	0	0	40	0	0	0	0	741	0
Amer Museum of Natl Hist	641	0	0	0	0	0	0	0	0	95	546	0
Amer Physical Soc	123	0	0	0	0	0	0	0	0	0	123	0
Amer Soc for Cell Biology	20	0	0	0	0	0	0	0	0	0	20	0
Amer Soc of Civil Eng	121	0	0	0	0	0	0	0	0	0	121	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Amer Soc of Human Gen	3	0	0	0	0	0	0	0	0	0	3	0
Amer Soc of Mech Eng	84	0	0	0	0	0	0	0	0	0	84	0
American Hlth Fdn Inc	11,516	0	0	0	0	0	0	11,516	0	0	0	0
American Vacuum Society	4	0	0	0	0	0	0	0	0	0	4	0
Assn Rsch Vision & Ophth	26	0	0	0	0	0	0	26	0	0	0	0
Assoc for Computing Mach	50	0	0	0	0	0	0	0	0	0	50	0
Assoc of Systematics	10	0	0	0	0	0	0	0	0	0	10	0
B Thompson Inst Plant Res	1,035	531	0	0	0	148	84	81	0	0	191	0
Beth Israel Medical Ctr	1,830	0	0	0	0	0	0	1,830	0	0	0	0
Bronx Educational Service	67	0	0	0	67	0	0	0	0	0	0	0
Bronx-Lebanon Hospital Ct	460	0	0	0	0	0	0	460	0	0	0	0
Brookdale Hospital Center	285	0	0	0	0	0	0	285	0	0	0	0
Brooklyn Childrens Museum	138	0	0	0	0	0	0	0	0	0	138	0
Burke Rehab Ctr	1,375	0	0	0	0	0	0	1,375	0	0	0	0
Calspan - U of Buffalo	244	0	0	244	0	0	0	0	0	0	0	0
Catholic Med C Bklyn & Qns	1,113	0	0	0	0	0	0	1,113	0	0	0	0
Childrens TV Workshop	2,343	0	0	0	0	0	0	0	0	0	2,343	0
Cold Spring Harbor Lab	16,519	5	0	21	0	10	20	14,950	0	0	1,513	0
Committee Economic Dev	20	0	0	0	0	20	0	0	0	0	0	0
Cuba Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Div of Chemical Educ	99	0	0	0	0	0	0	0	0	0	99	0
Dosecc, Inc	351	0	0	0	0	0	0	0	0	0	351	0
Educational Support Systm	67	0	0	0	67	0	0	0	0	0	0	0
Flowers with Care	159	0	0	0	159	0	0	0	0	0	0	0
Genesee Hospital	87	0	0	0	0	0	0	87	0	0	0	0
Health Research Inc.	765	0	0	397	0	0	126	0	0	0	242	0
Helen Keller Natl Ctr Def	46	0	0	0	46	0	0	0	0	0	0	0
Hiland Hosp-Rochester	50	0	0	0	0	0	0	50	0	0	0	0
Hosp for Special Surgery	3,195	0	0	0	0	0	0	3,195	0	0	0	0
Hosp Joint Dis Ortho	1,256	0	0	0	0	0	0	1,256	0	0	0	0
Hudson Inst	7,079	0	0	7,079	0	0	0	0	0	0	0	0
Impact II	58	0	0	0	58	0	0	0	0	0	0	0
Inst of Elec Engrs Inc	202	0	0	170	0	0	0	0	0	0	32	0
Joint Ocean Insts Inc	26,392	0	0	65	0	0	0	0	0	0	26,327	0
Juvenile Diabetes Fdn	26	0	0	0	0	0	0	26	0	0	0	0
Long Isl Jewish Hillside	2,858	0	0	0	0	0	0	2,858	0	0	0	0
Maimonides Medical Center	83	0	0	0	0	0	0	83	0	0	0	0
Manhattan Eye/Ear/Throat	147	0	0	0	0	0	0	147	0	0	0	0
Manpower Demon Rsch Corp	250	0	0	0	0	0	0	0	0	0	250	0
Mary Imogene Bassett Hosp	1,034	0	0	0	0	0	0	1,034	0	0	0	0
Masonic Medical Rsch Lab	409	0	0	0	0	0	0	409	0	0	0	0
Medical Res Fnd Buffalo	1,938	0	0	0	0	0	0	1,822	0	0	116	0
Montefiore Hosp & Med Ctr	9,781	0	0	0	0	0	0	9,781	0	0	0	0
Mount Sinai Hospital	98	0	0	0	0	0	0	98	0	0	0	0
N Y Bot Gar Carey Arb	5	5	0	0	0	0	0	0	0	0	0	0
N Y Zoological Society	643	0	0	0	0	0	0	0	0	0	643	0
Narcotics & Drug Rch Inst	4,063	0	0	0	0	0	0	4,063	0	0	0	1
Nat Cncl of Women US, Inc	1	0	0	0	0	0	0	0	0	0	0	1
National Cncl Jewish Wmn	1	0	0	0	0	0	0	0	0	0	0	1
National Urban League	137	0	0	0	0	0	0	0	0	0	136	1
Natl Executive Serv Corps	28	0	0	0	0	0	0	0	0	0	28	0
New York Blood Center	3,095	0	0	105	0	0	0	2,990	0	0	0	0
New York Botanical Garden	1,329	4	0	0	0	49	0	0	0	0	1,276	0
North Shore Univ Hosp	4,358	0	0	0	0	0	0	4,358	0	0	0	0
Ntl Actn Cncl Minorities	69	0	0	0	0	0	0	0	0	0	69	0
NY Academy of Science	170	0	0	0	0	0	0	0	0	0	165	0
Our Lady of Lourdes Hosp	99	0	0	0	0	0	0	99	0	0	0	0
Our Lady of Mercy Med Ctr	108	38	0	0	0	0	0	70	0	0	0	0
Population Council	2,335	0	0	0	0	0	0	2,335	0	0	0	0
Presbyterian Hosp In NY	2,194	0	0	0	0	0	0	2,194	0	0	0	0
Public Health Res Inst	4,394	0	0	0	0	0	0	4,147	0	0	247	0
Recording for the Blind	245	0	0	0	0	0	0	0	0	0	245	0
Riverside Res Inst	10,684	0	0	9,786	0	0	0	898	0	0	0	0
Rsch Fdn Mntl Hygiene Inc	1,507	0	0	1,507	0	0	0	0	0	0	0	0
Sloan-Kettering Cancer Rs	43,609	0	0	508	0	733	0	42,270	0	0	98	0
Social Science Rsch Cncl	26	0	0	0	0	0	0	0	0	0	26	0
Soldiers & Sailors	50	0	0	0	0	0	0	50	0	0	0	0
St Luke's Hospital Center	3,456	0	0	0	0	0	0	3,392	0	0	64	0
St Luke's Inst for Health	4,798	0	0	0	0	0	0	4,798	0	0	0	0
St Vincent's Hosp&Med Ctr	30	0	0	0	0	0	0	30	0	0	0	0
Syracuse Research Corp	1,775	0	0	438	0	0	1,243	29	0	65	0	0
Tri-County Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Trudeau Institute Inc	1,199	0	0	0	0	0	0	1,199	0	0	0	0
United Engineering Trusts	174	0	0	130	0	0	0	0	0	0	44	0
W Alton Jones Coll Sc Ctr	2,924	0	0	0	0	0	0	2,924	0	0	0	0
Winthrop Univ Hosp	177	0	0	0	0	0	0	177	0	0	0	0
Women's Action Alliance	271	0	0	0	0	0	0	0	0	0	271	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-1B. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Pennsylvania, total	100,991	55	0	119	2,764	2,896	252	76,374	20	474	18,028	9
Acad Natural Sci of Phil	462	0	0	0	0	0	59	0	0	0	403	0
Albert Einstein Med Ctr	270	0	0	0	0	0	0	270	0	0	0	0
Allegheny Singer Rsch	1,189	0	0	0	0	0	0	1,189	0	0	0	0
Amer Institutes for Res	118	0	0	0	0	0	0	0	0	0	118	0
Amer Soc Testing & Matrls	50	0	0	0	0	0	30	0	20	0	0	0
Barnes-Kasson Co Hosp	1	0	0	0	0	0	0	50	0	0	0	0
Big Sisters of Philadelph	180	0	0	0	0	0	0	0	0	0	0	1
Carnegie Inst of Pitts	50	0	0	0	0	0	0	50	0	0	180	0
Charles Cole Mem Hospital	11,888	0	0	0	0	0	0	11,888	0	0	0	0
Child Hosp of Phila	3,815	0	0	0	0	0	0	3,815	0	0	0	0
Child Hosp of Pittsburgh	20	0	0	10	0	0	0	0	0	0	10	0
Combustion Institute	163	0	0	0	0	0	0	163	0	0	0	0
D Guthrie Fdn Med Res	10	0	0	0	0	0	0	10	0	0	0	0
Emergency Care Rsch Inst	124	0	0	0	0	0	0	124	0	0	0	0
Eye & Ear Hosp - Pittsburgh	2,237	0	0	0	0	0	0	2,237	0	0	0	0
Eye & Ear Inst Pittsburgh	15,977	0	0	0	0	0	0	15,977	0	0	160	0
Fox Chase Cancer Center	884	0	0	0	200	0	0	0	0	0	684	0
Franklin Inst	648	0	0	0	0	0	0	648	0	0	0	0
Gessinger Medical Center	498	0	0	0	0	0	0	0	0	0	0	0
Good Samaritan Hospital	1,304	0	0	0	0	0	0	1,304	0	0	0	0
Graduate Hosp	149	0	0	0	0	0	0	61	0	0	88	0
Inst for Cancer Research	155	0	0	0	0	0	0	155	0	0	0	0
Lankenau Hospital	779	0	0	0	0	0	0	779	0	0	0	0
Lankenau Med Rsch Center	979	0	0	0	0	0	0	979	0	0	0	0
Magae Women's Hosp	93	0	0	84	0	0	0	94	0	0	9	0
Materials Research Soc	94	0	0	0	0	0	0	94	0	0	0	0
Mercy Catholic Med Ctr	3,125	55	0	0	0	0	0	2,890	0	0	180	0
Monell Chem Senses Cntr	612	0	0	0	0	0	0	612	0	0	0	0
Montefiore Hospital	68	0	0	0	0	0	0	68	0	0	0	0
Moss Rehabilitation Hosp	15,763	0	0	0	0	0	0	1,445	0	0	14,318	0
MPC Corp	2	0	0	0	0	0	0	2	0	0	0	0
Nat Conf of Puerto R. Wmn	2,600	0	0	0	0	0	0	2,600	0	0	0	2
Nat'l Disease Rsch In	8	0	0	0	0	0	0	8	0	0	0	0
Ntl Ass Sci Tech & Society	855	0	0	0	0	0	0	0	0	0	8	0
Paths/Prism	780	0	0	0	0	0	0	780	0	0	855	0
Pennsylvania Hospital	2,118	0	0	0	0	0	0	2,118	0	0	0	0
Philadelphia Geriatric Ctr	323	0	0	0	0	0	0	323	0	0	0	0
Philadelphia Psychiatric	2	0	0	0	0	0	0	0	0	0	0	2
Pot Reentry Op in Bus&Ed	134	0	0	0	134	0	0	0	0	0	0	0
Primak Educat Foundation	782	0	0	0	0	0	0	782	0	0	0	0
Prsbty Univ Penn Med Ctr	650	0	0	0	0	0	0	0	0	0	650	0
QED Communications, Inc.	2,430	0	0	0	2,430	0	0	0	0	0	0	0
Res for Better Schs Inc	76	0	0	25	0	0	0	0	0	0	51	0
Society Indstnl App M	4	0	0	0	0	0	0	0	0	0	0	4
Tradeswomen of Philadelph	50	0	0	0	0	0	0	50	0	0	0	0
Troy Community Hospital	6,570	0	0	0	0	2,398	163	3,535	0	874	0	0
Univ City Science Center	372	0	0	0	0	0	0	372	0	0	0	0
Wells Center for Research	200	0	0	0	0	0	0	200	0	0	0	0
Western PA Hospital	391	0	0	0	0	0	0	391	0	0	0	0
Wills Eye Hospital	20,889	0	0	0	0	0	0	20,575	0	0	314	0
Wistar Institute												
East North Central, total	204,889	86	306	107,889	2,099	11,639	2,384	67,679	29	4,804	7,371	603
Illinois, total	94,300	0	228	57,580	2,099	9,149	904	19,727	0	15	4,098	508
Amer Col of Radiology	5	0	0	0	0	0	0	0	0	0	5	0
Amer Dental Assoc Hlth	1,291	0	0	0	0	0	0	1,291	0	0	0	0
Amer Public Works Assoc	90	0	0	0	0	0	90	0	0	0	0	0
American Bar Foundation	132	0	0	0	0	0	0	0	0	0	132	0
American Foundrymen Soc	305	0	0	0	0	305	0	0	0	0	0	0
American Nuclear Society	20	0	0	0	0	20	0	0	0	0	0	0
Carle Foundation Hosp	206	0	0	0	0	0	0	118	0	0	88	0
Chicago Museum of Science	4	0	0	0	0	4	0	0	0	0	0	0
Chicago Women In Trades	20	0	0	0	0	0	0	0	0	0	0	20
Child Memorial Hospital	1,721	0	0	0	0	0	0	1,721	0	0	0	0
Ctr for Amer Archaeology	84	0	0	0	0	0	0	0	0	0	84	0
Decatur Mem Hospital	85	0	0	0	0	0	0	85	0	0	0	0
East Asian Hist Sci	50	0	0	0	0	0	0	0	0	0	50	0
Evanston Hospital	770	0	0	0	0	0	0	770	0	0	0	0
Field Museum Natural Hist	1,297	0	0	0	0	0	0	0	0	15	1,282	0
Friends of Fermilab Assc	444	0	0	0	0	0	0	0	0	0	444	0
Gibson Community Hosp	49	0	0	0	0	0	0	49	0	0	0	0
Hoopeston Comm Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Hosp Res & Ed Trust	142	0	0	0	0	0	0	142	0	0	0	0
Illinois State Museum	129	0	0	0	0	0	0	0	0	0	129	0
Ingalls Mem Hospital	138	0	0	0	0	0	0	138	0	0	0	0
Inst of Gas Technology	8,921	0	0	140	0	8,511	270	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Illinois, cont'd												
IIT Research Institute	62,119	0	0	57,225	0	291	524	3,606	0	0	0	473
Mchl Reese Hosp & Med Ctr	1,935	0	0	0	0	0	0	1,935	0	0	0	0
Mercy Hospital & Med Ctr	69	0	0	0	0	0	0	69	0	0	0	0
Methodist Hospital-Peoria	186	0	0	0	0	0	0	186	0	0	0	0
Museum of Sci & Industry	18	0	0	0	0	18	0	0	0	0	0	0
Nat Opinion Research Ctr	3,202	0	0	0	0	0	0	1,411	0	0	1,791	0
Natl Safety Council	25	0	0	0	0	0	20	0	0	0	0	5
No Cntl Reg Educatnal Lab	2,099	0	0	0	2,099	0	0	0	0	0	0	0
Northwestern Mem Hospital	348	0	0	0	0	0	0	348	0	0	0	0
Paris Community Hosp	49	0	0	0	0	0	0	49	0	0	0	0
Portland Cement Assoc	147	0	147	0	0	0	0	0	0	0	0	0
Rehab Inst of Chicago	679	0	0	0	0	0	0	679	0	0	0	0
Rush Prsbtry/St Lks	7,173	0	0	0	0	0	0	7,080	0	0	93	0
Soc of Env Toxicology	215	0	0	215	0	0	0	0	0	0	0	0
SW Women Working Together	1	0	0	0	0	0	0	0	0	0	0	1
The Ctr for Great Lakes	81	0	81	0	0	0	0	0	0	0	0	0
YWCA of Metro Chicago	1	0	0	0	0	0	0	0	0	0	0	1
Indiana, total	1,423	12	0	0	0	0	0	304	0	1,106	0	1
Comm Hosp Indianapolis	100	0	0	0	0	0	0	100	0	0	0	0
Conservation Tillage Info	12	12	0	0	0	0	0	0	0	0	0	0
Indianapolis Ctr Adv Resh	1,001	0	0	0	0	0	0	0	0	1,001	0	0
Methodist Hosp of Indiana	204	0	0	0	0	0	0	204	0	0	0	0
Natl Cons Grad Eng Min	105	0	0	0	0	0	0	0	0	105	0	0
YWCA of Ft. Wayne	1	0	0	0	0	0	0	0	0	0	0	1
Michigan, total	35,770	0	0	17,039	0	853	0	16,307	0	1,058	343	90
Ann Arbor Hands-On Museum	128	0	0	0	0	0	0	0	0	0	128	0
Blodgett Memorial Med Ctr	184	0	0	0	0	0	0	184	0	0	0	0
Borgess Med Center	105	0	0	0	0	0	0	105	0	0	0	0
Butterworth Hospital	160	0	0	0	0	0	0	160	0	0	0	0
Carson City Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Charlevoix Hospital	28	0	0	0	0	0	0	28	0	0	0	0
Child Hosp of Michigan	433	0	0	0	0	0	0	433	0	0	0	0
Environmental Res Inst	18,241	0	0	16,833	0	350	0	0	0	1,058	0	0
Francis Bell Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Garber Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Henry Ford Hospital	8,637	0	0	0	0	0	0	8,637	0	0	0	0
High/Scope Ed Res Fdn	115	0	0	115	0	0	0	0	0	0	0	0
Industrial Tech Institute	181	0	0	91	0	0	0	0	0	0	0	90
Inventors Council Mich	20	0	0	0	0	20	0	0	0	0	0	0
Kalamazoo Area Math & Sci	166	0	0	0	0	0	0	30	0	0	166	0
Marquette Cnty Hosp	30	0	0	0	0	0	0	30	0	0	0	0
McKenzie Mem Hosp	30	0	0	0	0	0	0	30	0	0	0	0
Mercy Hospital - Grayling	50	0	0	0	0	0	0	50	0	0	0	0
Michigan Biotech Inst	483	0	0	0	0	483	0	0	0	0	0	0
Michigan Cancer Fdn	5,281	0	0	0	0	0	0	5,281	0	0	0	0
Michigan Molecular Inst	49	0	0	0	0	0	0	0	0	0	49	0
Paul Oliver Memorial Hosp	38	0	0	0	0	0	0	38	0	0	0	0
Sinai Hospital of Detroit	913	0	0	0	0	0	0	913	0	0	0	0
William Beaumont Hospital	348	0	0	0	0	0	0	348	0	0	0	0
Ohio, total	66,393	74	78	33,270	0	1,137	1,400	25,516	29	2,625	2,175	9
ASM International	54	0	54	0	0	0	0	0	0	0	0	0
Battelle Memorial Inst	43,741	0	0	33,148	0	1,137	1,400	4,305	0	2,625	1,126	0
Child Hosp of Columbus	1,271	0	0	0	0	0	0	1,271	0	0	0	0
Child Hosp Med Ctr Cincin	5,408	0	0	0	0	0	80	5,408	0	0	0	0
Cincinnati Museum Nat His	108	0	0	0	0	0	0	0	0	0	108	0
Cleveland Clinic Fdn	11,078	0	0	0	0	0	0	11,019	0	0	59	0
Cleind Mus Natural Hist	29	0	0	0	0	0	0	0	29	0	0	0
Defiance Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Edison Welding Institute	24	0	24	0	0	0	0	0	0	0	0	0
Hard Hatted Women	5	0	0	0	0	0	0	0	0	0	0	5
Hipple Cntr Resh Ctr	191	0	0	0	0	0	0	191	0	0	0	0
James N Gamble Inst Med	560	0	0	122	0	0	0	438	0	0	0	0
Kettering Medical Center	189	0	0	0	0	0	0	189	0	0	0	0
Minorities in Math S&E	94	0	0	0	0	0	0	0	0	0	94	0
ML Sinai Hosp-Cleveland	756	0	0	0	0	0	0	756	0	0	0	0
Nat Assoc for Res Sci	33	0	0	0	0	0	0	0	0	0	33	0
Ohio Acad of Science	135	0	0	0	0	0	0	0	0	0	135	0
Ohio Agricultural R&D Ctr	64	64	0	0	0	0	0	0	0	0	0	0
Ohio's Ctr Sci & Industry	243	0	0	0	0	0	0	0	0	0	243	0
St Luke's Hosp-United Met	48	0	0	0	0	0	0	48	0	0	0	0
The Cleveland Educ Fund	377	0	0	0	0	0	0	0	0	0	377	0
The Hillside Trust	10	10	0	0	0	0	0	0	0	0	0	0
University Hosps-Cleveland	1,841	0	0	0	0	0	0	1,841	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-1B. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990
[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Ohio, cont'd												
Working Women Edu Fund	3	0	0	0	0	0	0	0	0	0	0	3
YWCA of Cleveland, Ohio	1	0	0	0	0	0	0	0	0	0	0	1
Wisconsin, total	7,003	0	0	0	0	500	0	5,745	0	0	755	3
Adams Cnty Mem Hosp & Mrs	50	0	0	0	0	0	0	50	0	0	0	0
Apple River Valley Mem Hos	50	0	0	0	0	0	0	50	0	0	0	0
Cncl of Great Lakes Govrn	500	0	0	0	0	500	0	0	0	0	0	0
Madison Children's Museum	68	0	0	0	0	0	0	0	0	0	0	0
Marshfield Med Resh Fdn	717	0	0	0	0	0	0	717	0	0	68	0
Mem Hosp Neillsville	50	0	0	0	0	0	0	50	0	0	0	0
Memorial Hosp - Bosobel	50	0	0	0	0	0	0	50	0	0	0	0
Memorial Hosp - Iowa Cnty	50	0	0	0	0	0	0	50	0	0	0	0
Milwaukee Blood Center	3,331	0	0	0	0	0	0	50	0	0	0	0
Mt Sinai Medical Ctr Inc	1,203	0	0	0	0	0	0	3,331	0	0	0	0
Networking Together Inc.	2	0	0	0	0	0	0	1,195	0	0	8	0
Prairie Du Chien Hosp	50	0	0	0	0	0	0	0	0	0	0	3
St. Josephs Hosp Arcadia	48	0	0	0	0	0	0	50	0	0	0	0
St. Luke's Hosp Milwaukee	106	0	0	0	0	0	0	48	0	0	0	0
St. Mary's Hosp - Sparta	48	0	0	0	0	0	0	106	0	0	0	0
Wisc Acad of Sci Arts	679	0	0	0	0	0	0	0	0	0	679	0
West North Central, total	62,266	80	0	3,192	176	158	2,344	53,079	0	214	2,850	196
Iowa, total	331	0	0	70	0	0	0	261	0	0	0	0
American College Testing	70	0	0	70	0	0	0	0	0	0	0	0
Burgess Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Iowa Oncology Resh Assn	168	0	0	0	0	0	0	168	0	0	0	0
Osceola Comm Hospital	13	0	0	0	0	0	0	13	0	0	0	0
St. Joseph Comm Hosp	30	0	0	0	0	0	0	30	0	0	0	0
Kansas, total	657	60	0	0	0	0	0	596	0	0	0	1
American Inst of Baking	60	60	0	0	0	0	0	0	0	0	0	0
Henninger Foundation	275	0	0	0	0	0	0	275	0	0	0	0
Mid America Congress Aging	1	0	0	0	0	0	0	0	0	0	0	0
Phillips County Hospital	27	0	0	0	0	0	0	27	0	0	0	1
St Francis Hosp/Wichit	294	0	0	0	0	0	0	294	0	0	0	0
Minnesota, total	40,022	0	0	2,972	0	0	0	36,434	0	0	616	0
Children's Hosp-St Paul	643	0	0	0	0	0	0	643	0	0	0	0
Community Mem Hosp Winona	50	0	0	0	0	0	0	50	0	0	0	0
Cook County N Shore Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Fairmont Cnty Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Holy Trinity Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Inst for MN Archaeology	50	0	0	0	0	0	0	50	0	0	0	0
Interstudy	89	0	0	0	0	0	0	0	0	0	89	0
Kittson Memorial Hospital	50	0	0	0	0	0	0	89	0	0	0	0
Mayo Foundation	37,521	0	0	2,832	0	0	0	50	0	0	0	0
Minneapolis Med Res Fdn	481	0	0	0	0	0	0	34,645	0	0	44	0
MN Valley Mem Hosp	50	0	0	0	0	0	0	481	0	0	0	0
Personnel Decisions R	140	0	0	140	0	0	0	50	0	0	0	0
Science Museum Minnesota	564	0	0	0	0	0	0	0	0	0	0	0
Search Institute	226	0	0	0	0	0	0	0	0	0	584	0
Sioux Valley Hospital	50	0	0	0	0	0	0	226	0	0	0	0
Missouri, total	19,240	0	0	158	63	155	2,344	14,791	0	214	1,331	192
Baptist Med Ctr	163	0	0	0	0	0	0	163	0	0	0	0
Cancer Res Center	28	0	0	0	0	0	0	28	0	0	0	0
Central Inst for the Deaf	215	0	0	115	0	0	0	0	0	0	0	0
Children's Mercy Hp-K	581	0	0	0	0	0	0	0	100	0	0	0
DeLaSalle Education Ctr	63	0	0	0	63	0	0	581	0	0	0	0
Energy Task Force Mgt Co	135	0	0	0	0	135	0	0	0	0	0	0
Hlth Car & Nursing Res Ct	1	0	0	0	0	0	0	0	0	0	0	0
Inventors Assoc St. Louis	20	0	0	0	0	0	0	0	0	0	0	1
Jewish Hosp of St Louis	10,914	0	0	0	0	20	0	0	0	0	0	0
Lester E. Cox Med C	104	0	0	0	0	0	0	10,914	0	0	0	0
Midwest Research Inst	5,258	0	0	35	0	0	0	104	0	0	0	0
Missouri Botanical Garden	1,002	0	0	0	0	0	2,344	2,575	0	114	0	190
Missouri Lions Eye Res Fd	148	0	0	0	0	0	0	133	0	0	869	0
Older Women's League	1	0	0	0	0	0	0	148	0	0	0	0
St Johns Mercy Med C	145	0	0	0	0	0	0	0	0	0	0	1
St Louis Science Center	462	0	0	0	0	0	0	145	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Nebraska, total	1,054	0	0	0	0	0	0	150	0	0	903	1
Beatrice Comm Hosp&Health	50	0	0	0	0	0	0	50	0	0	0	0
Chly Hosp - McCook	50	0	0	0	0	0	0	50	0	0	0	0
Jefferson Co Mem Hosp	50	0	0	0	0	0	0	0	0	0	903	0
Nebraskans for Pub Tel In	903	0	0	0	0	0	0	0	0	0	0	1
The Omaha Neb YWCA	1	0	0	0	0	0	0	0	0	0	0	0
North Dakota, total	726	0	0	0	113	0	0	613	0	0	0	0
Comm Mem Hosp - Hettinger	50	0	0	0	0	0	0	50	0	0	0	0
Community Hosp-McVillie	46	0	0	0	0	0	0	46	0	0	0	0
Diocese of Fargo	113	0	0	0	113	0	0	0	0	0	0	0
Griggs County Hospital	50	0	0	0	0	0	0	50	0	0	0	0
McKenzie Co Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Mercy Hospital Williston	50	0	0	0	0	0	0	55	0	0	0	0
Neuropsychiatric Inst	55	0	0	0	0	0	0	50	0	0	0	0
Pembina County Mem Hospit	50	0	0	0	0	0	0	212	0	0	0	0
St Luke's Hosp-Fargo	212	0	0	0	0	0	0	50	0	0	0	0
St. Josephs Hosp-Dickinson	50	0	0	0	0	0	0	0	0	0	0	0
South Dakota, total	236	0	0	0	0	0	0	234	0	0	0	2
Baptist Hospital Winner	16	0	0	0	0	0	0	16	0	0	0	0
Black Hills Sp Svc Coop	1	0	0	0	0	0	0	0	0	0	0	1
Dakota Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Freeman Community Hosp	10	0	0	0	0	0	0	10	0	0	0	0
Gregory Community Hosp	22	0	0	0	0	0	0	22	0	0	0	0
Hans P Peterson Mem H	50	0	0	0	0	0	0	50	0	0	0	0
Holy Infant Hosp	6	0	0	0	0	0	0	6	0	0	0	0
Landmann Jungmen Mem Hosp	38	0	0	0	0	0	0	38	0	0	0	0
Methodist Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Pioneer Memorial Hospital	56	0	0	0	0	0	0	56	0	0	0	0
Rapid City Regional Hosp	1	0	0	0	0	0	0	0	0	0	0	1
Resource Center for Women	6	0	0	0	0	0	0	6	0	0	0	0
St. Benedict Hospital	6	0	0	0	0	0	0	6	0	0	0	0
St. Michael's Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Wagner Comm Memorial Hosp	6	0	0	0	0	0	0	6	0	0	0	0
South Atlantic, total	310,291	1,575	4,607	74,250	5,439	33,429	17,055	78,686	571	46,901	26,326	21,452
Delaware, total	1,307	0	0	0	0	245	0	155	0	0	907	0
Franklin Inst-Bartol Rach	1,152	0	0	0	0	245	0	0	0	0	907	0
Medical Center Delaware	155	0	0	0	0	0	0	155	0	0	0	0
District of Columbia, total	123,029	588	1,626	19,719	1,249	30,968	5,764	15,908	283	12,447	19,614	15,663
Academy for Educ Devel	355	0	0	0	0	0	0	0	0	0	0	355
Alliance to Save Energy	70	0	0	0	0	70	0	0	0	0	0	0
Alliance Eng-Med & Biol	30	0	0	0	0	0	0	0	0	0	30	0
Am Ass of University Wmn	1	0	0	0	0	0	0	0	0	0	0	1
Am Col Nuclear Physicists	77	0	0	0	0	77	0	0	0	0	12	0
Amer Anthropol Assoc	12	0	0	0	0	0	0	0	0	0	0	0
Amer Assn Col Teacher	252	0	0	0	252	0	0	0	0	0	0	0
Amer Assn Retired Pers	51	0	0	0	0	0	0	0	0	0	0	51
Amer Assoc of Museums	75	0	0	0	0	0	0	0	0	0	75	0
Amer Assoc-Advancmnt Sci	1,074	0	0	0	0	0	0	0	0	0	1,074	0
Amer Educational Res	50	0	0	0	0	0	0	0	0	0	50	0
Amer Inst of Architects	68	0	0	0	0	0	0	0	0	0	68	0
Amer Inst Rsch/Wash DC	299	0	0	0	299	0	0	0	0	0	0	0
Amer National Red Cross	104	0	0	104	0	0	0	0	0	0	48	0
Amer Registry Pathology	3,559	0	0	3,511	0	0	0	0	0	0	6	0
Amer Soc for Microbiology	76	0	0	0	0	0	70	0	0	0	216	0
Amer Society-Engr Educ	5,050	0	0	4,784	0	0	0	0	0	50	60	0
Amer Sociological Assoc	60	0	0	0	0	0	0	0	0	0	980	0
Amer Statistical Assoc	1,090	0	0	0	0	40	70	0	0	0	968	0
American Chemical Society	1,225	15	0	13	0	229	0	0	0	0	25	0
American Council On Educa	25	0	0	0	0	0	0	0	0	0	0	0
American Farmland Trust	473	473	0	0	0	0	0	0	0	33	220	0
American Geophysicl Union	253	0	0	0	0	0	0	0	0	0	0	0
American Iron & Steel Ins	9,254	0	0	0	0	9,254	0	0	0	0	58	0
American Psychologi Assoc	58	0	0	0	0	0	0	0	0	0	0	11,507
Assn of American Railrds	11,507	0	0	0	0	0	0	0	0	0	30	0
Assoc of Amer Geographers	1,063	0	0	0	0	0	0	0	0	0	1,063	0
Assoc of Science-Tech Cnt	15	0	15	0	0	0	0	0	0	0	0	0
Assoc Small Bus Dev Ctrs	1,427	0	0	0	0	0	0	0	0	0	0	1,427
Assoc Univ Prog Public	50	0	0	50	0	0	0	0	0	0	0	0
Associated Universities	32	0	32	0	0	0	0	0	0	0	0	0
Atlantic St Marine Fisher	0	0	0	0	0	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table 8-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	PHS	Int	NASA	NSF	Other 1/
District of Columbia, cont'd												
ACEC Research & Mgt	74	0	0	0	0	74	0	0	0	0	0	0
Brookings Institution	75	0	0	0	0	0	0	0	0	0	75	0
Carnegie Inst of Wash	3,580	0	0	0	0	0	0	1,750	0	234	1,596	0
Center for Marine Conserv	410	0	160	0	0	0	250	0	0	0	0	0
Chief State Schl Off	19	0	0	0	0	0	0	0	0	0	19	0
Children's Hosp Natl Med	2,350	0	0	0	0	0	0	2,350	0	0	0	0
Civil Eng Res Foundation	92	0	0	0	0	0	0	0	0	0	92	0
Climate Institute	97	0	0	0	0	0	97	0	0	0	0	0
Coastl States Organizn	28	0	28	0	0	0	0	0	0	0	0	0
Cong Policy Rsch Cntr	630	0	0	0	0	600	30	0	0	0	0	0
Conf Bd Mathematical Sci	98	0	0	0	0	0	0	0	0	0	98	0
Conservation Fdn	64	0	0	0	0	0	64	0	0	0	0	0
Council for Basic Educ	239	0	0	0	0	0	0	0	0	0	239	0
Displaced Homemakers Nwk	500	0	0	0	0	0	0	0	0	0	0	500
Environmental Law Inst	755	0	0	0	0	0	755	0	0	0	0	0
Gorgas Mem Inst Tropcl Med	2,233	0	0	100	0	0	0	2,133	0	0	0	0
Inst for Indep Educ Inc.	32	0	0	0	0	0	0	0	0	0	32	0
Inst for Law & Soc Rsch	100	0	0	0	0	0	100	0	0	0	0	0
Inst for Wo Policy Rsch	125	0	0	0	0	0	0	0	0	0	80	45
Int'l City Mngmnt Assoc	440	0	0	0	0	0	440	0	0	0	0	0
Kobe Institute	2,626	0	0	0	0	0	0	2,626	0	0	0	0
League of Women Voters	110	0	0	0	0	0	85	0	0	0	0	25
Marine Tech Society	10	0	0	0	0	0	0	0	0	0	10	0
Math Assoc of America	189	0	0	0	0	0	0	0	0	0	189	0
Medlantic Health Care	837	0	0	0	0	0	0	837	0	0	0	0
Mortgage Bankers Assoc	77	0	0	0	0	0	0	0	0	0	0	77
Nat Ass of Negro Bus Org	1	0	0	0	0	0	0	0	0	0	0	1
Nat Fisheries Edu/Rsch Fd	723	0	723	0	0	0	0	0	0	0	0	0
Natl Academy of Sciences	54,457	55	470	11,002	0	20,528	740	759	263	10,903	8,914	815
National Alliance of Bus	1	0	0	0	0	0	0	0	0	0	0	1
National Ass Res Mgt Corp	25	0	0	0	0	0	0	0	0	0	0	25
National Cotton Council	45	45	0	0	0	0	0	0	0	0	0	0
National Geographic Socie	119	0	0	0	119	0	0	0	0	0	0	0
National Governor's Assoc	1,579	0	0	0	108	0	1,471	0	0	0	0	0
National Public Radio	231	0	0	0	0	0	0	0	0	0	231	0
Natl Acad Public Admin	442	0	0	0	0	0	0	0	0	442	0	0
Natl Ass Reg Utilty Comms	96	0	0	0	0	96	0	0	0	0	0	0
Natl Assoc Conservation	67	0	0	0	0	0	67	0	0	0	0	0
Natl Assoc Neighborhoods	25	0	0	0	0	0	0	0	0	0	0	25
Natl Biomedical Res Fdn	1,092	0	0	0	0	0	0	1,092	0	0	0	0
Natl Cncl Tchrs of Math	187	0	0	0	0	0	0	0	0	0	187	0
Natl Inst of Bldg Science	24	0	24	0	0	0	0	0	0	0	0	0
Natl Sci Teachers Assoc	3,632	0	0	0	471	0	0	0	0	685	2,476	0
Optical Sec of America	97	0	0	70	0	0	0	0	0	0	27	0
Public Technology, Inc	60	0	0	0	0	0	60	0	0	0	0	0
Resources for Future Inc	1,002	0	0	0	0	0	832	0	20	100	50	0
Soc for Development Bio	6	0	0	0	0	0	0	0	0	0	6	0
Society of Toxicology	85	0	0	85	0	0	0	0	0	0	0	0
Sport Fishing Institute	174	0	174	0	0	0	0	0	0	0	0	0
Student Pugwash USA	39	0	0	0	0	0	0	0	0	0	39	0
Universities Res Assoc	104	0	0	0	0	0	0	0	0	0	104	0
Urban Institute	5,321	0	0	0	0	0	320	4,177	0	0	16	808
US Global Strategy Cncl	25	0	0	0	0	0	25	0	0	0	0	0
Washington Hosp Ctr	176	0	0	0	0	0	0	176	0	0	0	0
World Resources Institute	431	0	0	0	0	0	280	0	0	0	151	0
Florida, total	5,555	0	2,724	70	0	0	100	2,104	0	0	854	3
Amer Electroplaters Soc	100	0	0	0	0	0	100	0	0	0	0	0
Archbold Biological Stat	98	0	0	0	0	0	0	0	0	0	98	0
Cedars Medical Center	109	0	0	0	0	0	0	109	0	0	0	0
Florida Hospital	178	0	0	0	0	0	0	178	0	0	0	0
Gulf & S Atl Fish Dev Fdn	420	0	420	0	0	0	0	0	0	0	0	0
Gulf Spec Marine Labs	55	0	55	0	0	0	0	0	0	0	0	0
Harbor Branch Ocea Inst	747	0	0	25	0	0	0	353	0	0	369	0
Marine Resources Devel Fd	395	0	395	0	0	0	0	0	0	0	0	0
Miami Heart Institute	136	0	0	0	0	0	0	136	0	0	0	0
Mote Marine Laboratory	226	0	226	0	0	0	0	0	0	0	0	0
Mt Sinai Hosp Med Ctr Fla	934	0	0	0	0	0	0	934	0	0	0	0
Perry Foundation Inc	1,517	0	1,517	0	0	0	0	0	0	0	0	0
Reef Foundation	87	0	0	0	0	0	0	0	0	0	87	0
Southeastern Fish Assoc	111	0	111	0	0	0	0	0	0	0	0	0
SE Ctr Electric Eng E	45	0	0	45	0	0	0	0	0	0	0	0
Tampa Bay Rsch Inst Tech	394	0	0	0	0	0	0	394	0	0	0	0
Wo Resource Ctr Sarasota	3	0	0	0	0	0	0	0	0	0	0	3

See explanatory material, if any, and SOURCE, at end of table.

Table 8-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Georgia, total	1,601	0	0	251	65	1,048	0	284	0	0	0	3
Coord Research Council	80	0	0	80	0	0	0	0	0	0	0	0
Dolphus E Milgiri Sci Rsch	90	0	0	0	0	0	0	90	0	0	0	0
Educational Excellence	65	0	0	0	65	0	0	0	0	0	0	0
Gredy General Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Intl Soc Plant Molec Bio	10	0	0	0	0	10	0	0	0	0	0	0
R.J. Taylor Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Savannah Riv Ecology Lab	80	0	0	0	0	80	0	0	0	0	0	0
Skidaway Inst of Ocean	948	0	0	131	0	827	0	0	0	0	0	0
Southern State Energy	123	0	0	0	0	123	0	0	0	0	0	0
St Joseph's Hosp-Atln	94	0	0	0	0	0	0	94	0	0	0	0
The Natl Cnfr Black Mayor	3	0	0	0	0	0	0	0	0	0	0	3
Maryland, total	78,156	6	0	22,182	0	358	240	23,082	0	31,742	365	181
Agricult Research Inst	130	0	0	0	0	0	130	0	0	0	0	0
Am College of Toxicology	40	0	0	40	0	0	0	0	0	0	0	0
Amer Type Culture Coll	2,028	0	0	0	0	84	0	1,939	0	0	5	0
Assn Univs Rsch & Astron	31,672	0	0	0	0	0	0	0	0	31,672	0	0
Fed Amer Soc Expor Biol	52	6	0	0	0	0	0	0	0	0	46	0
Friends of Psychiatr Res	4,209	0	0	0	0	0	0	4,209	0	0	0	0
H M Jackson Foundation	28,448	0	0	22,142	0	0	0	6,297	0	0	209	0
Hands-on-Sci Outreach	100	0	0	0	0	0	0	0	0	0	100	0
JFK Inst Handicapped	3,288	0	0	0	0	0	0	3,288	0	0	0	0
Kennedy Res Inst Inc	236	0	0	0	0	0	0	236	0	0	0	0
Life Science Rsch Fdn	71	0	0	0	0	71	0	0	0	0	0	0
Mid-Atlantic Res Inst	143	0	0	0	0	0	0	0	0	0	0	143
MD Medical Rsch Inst	8,782	0	0	0	0	0	0	8,782	0	0	0	0
Natl Assc Home Builders	100	0	0	0	0	0	100	0	0	0	0	0
Natl Cncl Rad Prot & Meas	283	0	0	0	0	203	10	0	0	70	0	0
Natl Public Svcs Rsch Ins	887	0	0	0	0	0	0	887	0	0	0	38
Pacific Inst RschEve	171	0	0	0	0	0	0	171	0	0	0	0
Sinal Hospital of Belts	62	0	0	0	0	0	0	62	0	0	0	0
Soc Leukocyte Biology	5	0	0	0	0	0	0	0	0	0	5	0
St. Joseph Hospital	117	0	0	0	0	0	0	117	0	0	0	0
Union Memorial Hospital	69	0	0	0	0	0	0	69	0	0	0	0
Univ Assoc Rsch/Ed - Path	263	0	0	0	0	0	0	263	0	0	0	0
North Carolina, total	63,675	0	0	5,986	1,696	627	10,942	36,850	0	1,803	171	5,689
Allegheny Co Hum H	50	0	0	0	0	0	0	50	0	0	0	0
Ashe Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Blowing Rock Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Ctr for Microelectronics	95	0	0	0	0	0	0	0	0	0	95	0
Human Ecology Inst	1,902	0	0	0	0	0	0	1,902	0	0	0	0
Montgomery Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Natl Humanities Center	50	0	0	0	0	0	0	0	0	0	50	0
Research Triangle Inst	54,106	0	0	5,986	0	627	10,942	24,748	0	1,803	0	5,689
South East Consortium	5,600	0	0	0	0	0	0	0	0	0	0	0
Southern Growth Policies	26	0	0	0	0	0	0	0	0	0	26	0
SE Educ Improvement Lab	1,696	0	0	0	1,696	0	0	0	0	0	0	0
South Carolina, total	923	0	66	0	0	0	0	50	0	0	807	0
Amer Malacological Un	4	0	0	0	0	0	0	0	0	0	4	0
Byerly Hospital	50	0	0	0	0	0	0	50	0	0	0	0
ETV Endowment of S C	794	0	0	0	0	0	0	0	0	0	794	0
Soc for Res Biol Rhyt	9	0	0	0	0	0	0	0	0	0	9	0
South Carina Rsrch Auth	66	0	66	0	0	0	0	0	0	0	0	0
Virginia, total	32,308	0	181	26,092	642	183	9	153	288	909	3,821	0
Am Inst of Biological Sci	1,874	0	0	847	0	88	0	0	0	909	30	0
Amer Geological Inst	190	0	0	0	0	0	0	0	190	0	0	0
Amer Soc Photogrammetry	5	0	0	0	0	0	0	0	0	0	5	0
Amer Wind Energy Assoc	50	0	0	0	0	50	0	0	0	0	0	0
Analytic Services, Inc	24,397	0	0	24,397	0	0	0	0	0	0	0	0
Cncl Excepaln Childrn	339	0	0	0	339	0	0	0	0	0	0	0
Community Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Corp Natl Rsch Initiative	2,339	0	0	0	0	0	0	0	0	0	2,339	0
Council of St Sci Superv	666	0	0	0	0	0	0	0	0	0	666	0
Ctr for Applied Linguist	323	0	0	0	323	0	0	0	0	0	0	0
Ctr for Excellence Ed	35	0	0	0	0	0	0	0	0	0	35	0
Educational Film Center	200	0	0	0	0	0	0	0	0	0	200	0
Human Resources Res Org	689	0	0	689	0	0	0	0	0	0	0	0
Info Science Res Ins	10	0	0	0	0	0	0	10	0	0	0	0
Inst for Regulatory Sci	30	0	0	0	0	30	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-16. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: Fiscal year 1990

(Dollars in thousands)

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Geographic division, State and institution	Total	USDA	Com	DOC	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Virginia, cont'd												
Intl Soc for Chronobio	6	0	0	6	0	0	0	0	0	0	0	0
Jr Eng Technical Soc.	150	0	0	150	0	0	0	0	0	0	0	0
Linguistic Soc of Amer	5	0	0	0	0	0	0	0	0	0	0	0
Natl Assoc Biology Teacher	135	0	0	0	0	0	0	0	0	0	135	0
Natl Conf of States On Bu	69	0	60	0	0	0	9	0	0	0	0	0
Natl Soc of Professional Eng	141	0	131	0	0	0	0	0	0	0	10	0
Nature Conservancy	90	0	0	0	0	0	0	0	90	0	0	0
Roanoke Mem Hosp	43	0	0	0	0	0	0	43	0	0	0	0
Society for History Tech	395	0	0	0	0	0	0	0	0	0	395	0
Soc for Ind Microbiology	3	0	0	3	0	0	0	0	0	0	0	0
Southampton Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
VA Coal Council	15	0	0	0	0	15	0	0	0	0	0	0
West Virginia, total	2,937	901	0	0	1,767	0	0	100	0	0	87	2
Appalachia Educ Lab	1,767	0	0	0	1,767	0	0	0	0	0	0	0
Broadus Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Roane General Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Sci & Math Educ Enhance	87	0	0	0	0	0	0	0	0	0	87	0
Spring & Groundwater Inst	901	901	0	0	0	0	0	0	0	0	0	0
WV Women's Foundation Inc	2	0	0	0	0	0	0	0	0	0	0	2
East South Central, total	43,623	901	920	11,190	361	853	1,741	25,234	0	1,773	509	13
Alabama, total	27,470	0	420	10,900	0	853	1,561	12,047	0	363	310	0
Baptist Med Ctr-Princt	327	0	0	0	0	0	0	327	0	0	0	0
Huntsville/Madison C C C	310	0	0	0	0	0	0	0	0	0	310	0
Marine Environ Sci Consor	420	0	420	0	0	0	0	0	0	0	0	0
Southern Research Inst	21,144	0	0	8,647	0	853	1,561	12,720	0	363	0	0
Statestr Ctr Elec Eng Ed	5,261	0	0	5,261	0	0	0	0	0	0	0	0
Kentucky, total	630	70	0	0	361	0	0	50	0	0	149	0
Am Printing Hs Blind	361	0	0	0	361	0	0	0	0	0	0	0
Cncl for Retarded Citizen	121	0	0	0	0	0	0	0	0	0	121	0
Horticultural Producers F	70	70	0	0	0	0	0	0	0	0	0	0
N Amer Humane Society	20	0	0	0	0	0	0	0	0	0	20	0
Our Lady of the May Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Mississippi, total	3,270	891	800	250	0	0	100	0	0	1,410	42	5
Am Bus Women's Associatn	2	0	0	0	0	0	0	0	0	0	0	2
Gulf Coast Rech Lab	1,497	775	292	250	0	0	100	0	0	0	0	0
Gulf States Marine Fish	200	0	200	0	0	0	0	0	0	0	0	0
Inst for Technology Dev	1,526	116	0	0	0	0	0	0	1,410	0	0	0
The Crescent Sisters Teen	3	0	0	0	0	0	0	0	0	0	0	3
Three Rivers RESA	42	0	0	0	0	0	0	0	0	0	42	0
Tennessee, total	12,145	0	0	0	0	0	0	12,137	0	0	0	8
Coal Employment Project	0	0	0	0	0	0	0	0	0	0	0	0
St Jude Child Rech Hosp	12,137	0	0	0	0	0	0	12,137	0	0	0	0
West South Central, total	328,360	121	192	114,300	1,759	172,950	435	17,168	117	19,304	1,164	890
Arkansas, total	50	0	0	0	0	0	0	50	0	0	0	0
Helena Hospital	50	0	0	0	0	0	0	50	0	0	0	0
The Women's Project	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana, total	1,377	121	0	0	0	0	0	1,256	0	0	0	0
Alton Ochener Med Fndtn	563	0	0	0	0	0	0	563	0	0	0	0
Children's Hospital	526	0	0	0	0	0	0	526	0	0	0	0
S Cameron Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Sugar Process Rech Inst	121	121	0	0	0	0	0	0	0	0	0	0
Touro Research Institute	117	0	0	0	0	0	0	117	0	0	0	0
Oklahoma, total	5,305	0	0	0	0	408	192	4,725	0	0	60	2
Blackwell Gen Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Creek Nation Cmty Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Grt Plains Area Vo-Tech	2	0	0	0	0	0	0	0	0	0	0	2
Oscarcho Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Oslo Medical Res Found	4,927	0	0	0	0	0	0	4,467	0	0	60	0
Rural Enterprises	296	0	0	0	0	296	0	0	0	0	0	0
St Francis Hosp	100	0	0	0	0	0	0	100	0	0	0	0
UIPC Research Foundation	202	0	0	0	0	110	192	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table 8-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Texas, total	321,940	0	152	114,300	1,759	172,544	243	11,137	117	19,304	1,104	880
Cache Corporation	15	0	0	0	0	0	0	0	0	0	15	0
Eagle Lake Cmty Hosp	47	0	0	0	0	0	0	47	0	0	0	0
Goodall Witcher Hospital	49	0	0	0	0	0	0	49	0	0	0	0
Gulf Shrimp Rch & Dev Fdn	76	0	76	0	0	0	0	0	0	0	0	0
Hill Country Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Houston Area Research Ctr	75	0	0	75	0	0	0	0	0	0	0	0
Houston Museum of Nat Sci	734	0	0	0	0	0	0	0	0	0	734	0
Incl Aerobics Research	412	0	0	0	0	0	0	412	0	0	0	0
Santa Rosa Med Ctr	70	0	0	0	0	0	0	70	0	0	0	0
Scott and White Mem Hosp	272	0	0	0	0	0	0	272	0	0	0	0
Samatech, Inc.	100,000	0	0	100,000	0	0	0	0	0	0	0	0
Southwest Educ Dev Lab	1,759	0	0	0	1,759	0	0	0	0	0	0	0
Southwest Fdn for Res&Ed	10,581	0	0	381	0	0	3	10,197	0	0	0	0
Southwest Research Inst	29,344	0	76	13,336	0	3,164	240	0	117	11,365	166	880
St Joseph Hosp, Houston	40	0	0	0	0	0	0	40	0	0	0	0
Texas Learning Tech Group	189	0	0	0	0	0	0	0	0	0	189	0
Univ Rch Assc-Spr Conduc	169,380	0	0	0	0	169,380	0	0	0	0	0	0
Universities Space Rch	8,447	0	0	508	0	0	0	0	0	7,939	0	0
Mountain, total	64,910	156	5,669	590	2,084	24,481	699	21,742	83	2,369	4,787	2,250
Arizona, total	4,230	0	0	565	0	0	0	2,877	14	562	212	0
Flagstaff Med Ctr	50	0	0	0	0	0	0	50	0	0	0	0
Good Samaritan Med Ctr	118	0	0	0	0	0	0	118	0	0	0	0
Inst for Biogerontology	325	0	0	0	0	0	0	325	0	0	0	0
Lowell Observatory	1,215	0	0	565	0	0	0	0	0	562	88	0
Museum of Northern Ariz	138	0	0	0	0	0	0	0	14	0	124	0
Navajo Hospital	46	0	0	0	0	0	0	46	0	0	0	0
Southwest Biomed Research	340	0	0	0	0	0	0	340	0	0	0	0
St Joseph's Hosp&Med Ctr	1,998	0	0	0	0	0	0	1,998	0	0	0	0
Colorado, total	29,687	50	5,669	25	1,893	109	587	15,487	0	1,723	4,131	13
Am Solar Energy Society	10	0	0	0	0	10	0	0	0	0	0	0
Am Sentinel Pract Ntwrk	303	0	0	0	0	0	0	303	0	0	0	0
Amer Cancer Rch Ctr Hosp	346	0	0	0	0	0	0	346	0	0	0	0
Amer Energy Assur Cncl	52	0	0	0	0	52	0	0	0	0	0	0
Amer Indian Sci&Eng Soc	967	0	0	0	0	0	0	0	0	30	937	0
Asian Pac Dev Ctr Colo	1	0	0	0	0	0	0	0	0	0	0	1
Aspen Center for Physics	260	0	0	0	0	6	0	0	0	30	224	0
Biol Sci Curriculum Study Co	1,705	0	0	0	0	0	0	0	0	0	1,705	0
Child Asthma Rch Inst	530	0	0	0	0	0	0	530	0	0	0	0
Colorado Women of Color	1	0	0	0	0	0	0	0	0	0	0	1
Crow Valley Livestock Cp	50	50	0	0	0	0	0	0	0	0	0	0
Ctr for Policy Research	965	0	0	0	0	0	0	965	0	0	0	0
CO Committee Womens Hist	1	0	0	0	0	0	0	0	0	0	0	1
CO Partner Educat ReNew	150	0	0	0	150	0	0	0	0	0	0	0
CO Women in Architecture	1	0	0	0	0	0	0	0	0	0	0	1
CO Women's Chmbr Commerce	1	0	0	0	0	0	0	0	0	0	0	1
E Roosevelt Inst Cancer	2,306	0	0	0	0	0	0	2,306	0	0	0	0
Educ Comm/States	20	0	0	0	20	0	0	0	0	0	0	0
Geological Soc of America	125	0	0	0	0	0	0	0	0	0	125	0
Inst Rch on Soci Prob	164	0	0	0	0	0	0	164	0	0	0	0
Midcontinent Reg Educ Lab	1,728	0	0	0	1,723	0	0	0	0	0	0	5
Natl Conf St Legis Ldrs	587	0	0	0	0	0	587	0	0	0	0	0
Natl Hispanic Leadership	3	0	0	0	0	0	0	0	0	0	0	3
Natl Jewish Ctr Immunolog	10,284	0	0	0	0	0	0	10,284	0	0	0	0
Penrose Hospital	145	0	0	0	0	0	0	145	0	0	0	0
Policy Center	444	0	0	0	0	0	0	444	0	0	0	0
Rcky Mtn Biol Lab	93	0	0	0	0	0	0	0	0	0	93	0
Soci Sci Ed Consort Inc	306	0	0	0	0	0	0	0	0	0	306	0
St Mary's Hospital	41	0	0	0	0	41	0	0	0	0	0	0
The Keystone Center	75	0	0	25	0	0	0	0	0	0	50	0
Univ Corp for Atmos Rch	7,332	0	5,669	0	0	0	0	0	0	1,663	0	0
US Space Foundation	549	0	0	0	0	0	0	0	0	0	549	0
West Interst Comm High Ed	142	0	0	0	0	0	0	0	0	0	142	0
Idaho, total	51	0	0	0	0	0	0	50	0	0	0	1
Ctr for New Directions	1	0	0	0	0	0	0	0	0	0	0	1
Gritman Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Montana, total	440	186	0	0	0	0	0	292	0	0	42	0
Billings Inter Hp Onclog	94	0	0	0	0	0	0	94	0	0	0	0
Central Valley Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Marcus Daly Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Montana, cont'd												
Montana Teachers of Math	47	0	0	0	0	0	0	0	0	0	42	0
St Peter's Community Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Systems for Envir Mgt	106	106	0	0	0	0	0	0	0	0	0	0
Teton Medical Center	48	0	0	0	0	0	0	48	0	0	0	0
New Mexico, total	4,004	0	0	0	0	809	112	2,597	0	84	402	0
Am Indian Grad Center	65	0	0	0	0	65	0	0	0	0	0	0
Lovelace Biomed Environ	30	0	0	0	0	30	0	0	0	0	0	0
Lovelace Fdn for Med Ed	3,076	0	0	0	0	293	112	2,587	0	84	0	0
Luna Vocation Tech Inst	75	0	0	0	0	75	0	0	0	0	0	0
Santa Fe Institute	698	0	0	0	0	346	0	0	0	0	352	0
Socorro General Hospital	10	0	0	0	0	0	0	10	0	0	0	0
SW Paleontology Fdn I	50	0	0	0	0	0	0	0	0	0	50	0
Utah, total	4,954	0	0	0	191	2,108	0	419	0	0	0	2,236
Assoc Western Univ, Inc	2,004	0	0	0	0	2,004	0	0	0	0	0	0
Consortium Intl Dev	2,236	0	0	0	0	0	0	0	0	0	0	2,236
Holy Cross Hosp	63	0	0	0	0	0	0	63	0	0	0	0
Latter-Day Saints Hosp	99	0	0	0	0	0	0	99	0	0	0	0
Rational Dec Making Dissem	63	0	0	0	63	0	0	0	0	0	0	0
Reid Foundation	128	0	0	0	128	0	0	0	0	0	0	0
Salt Lake Clinic Res Fnd	257	0	0	0	0	0	0	257	0	0	0	0
Technology Targeting	20	0	0	0	0	20	0	0	0	0	0	0
Utah Research Institute	84	0	0	0	0	84	0	0	0	0	0	0
Wyoming, total	21,544	0	0	0	0	21,455	0	20	69	0	0	0
Goshen Co Mem Hosp	20	0	0	0	0	0	0	20	0	0	0	0
Western Research Inst	21,524	0	0	0	0	21,455	0	0	69	0	0	0
Pacific, total	31,436	5,022	5,010	124,128	6,224	6,339	824	259,644	106	4,264	18,399	1,476
Alaska, total	1,540	0	1,520	0	0	20	0	0	0	0	0	0
Alaska Eskimo Whale Comm	330	0	330	0	0	0	0	0	0	0	0	0
Alaska Fishery Dev Fdn	1,190	0	1,190	0	0	0	0	0	0	0	0	0
Alaska Inventors Assoc	20	0	0	0	0	20	0	0	0	0	0	0
California, total	335,487	0	398	123,892	2,805	2,901	643	183,776	106	3,993	15,497	1,476
Agouran Institute	816	0	0	50	0	0	0	658	0	0	108	0
Alta Bates Hospital	21	0	0	0	0	0	0	21	0	0	0	0
Amer Soc of Zoologists	24	0	0	0	0	0	0	0	0	0	24	0
American Inst for Res	393	0	0	0	0	0	0	393	0	0	0	0
Applied Technology Cncl	224	0	120	0	0	0	0	0	0	0	104	0
ALS Neuro Res Fdn	27	0	0	0	0	0	0	27	0	0	0	0
Becra, Inc.	81	0	0	0	0	0	0	81	0	0	0	0
Beckman Research Inst	6,643	0	0	0	0	0	0	6,343	0	0	300	0
Cal Child Study Fdn	259	0	0	0	0	0	0	259	0	0	0	0
Cal Inst of Bio Rsrch	1,941	0	0	0	0	514	0	1,427	0	0	0	0
Cal Pub Hlth Foundation	1,169	0	0	0	0	0	0	1,096	0	0	73	0
Calif Academy of Sciences	113	0	0	0	0	0	0	0	0	0	113	0
California Arboretum Fdn	106	0	0	0	0	0	0	0	106	0	0	0
Cedars-Sinai Med Ctr	5,484	0	0	0	0	0	0	5,484	0	0	0	0
Center for Working Life	4	0	0	0	0	0	0	0	0	0	0	4
Child Hosp & Hlth Cntr	458	0	0	0	0	0	0	458	0	0	0	0
Child Hosp of Los Angeles	7,427	0	0	0	0	0	0	7,427	0	0	0	0
Child Hosp/Med Ctr N Cal	1,924	0	0	0	0	0	0	1,924	0	0	0	0
Child Hosp-Palo Alto	118	0	0	0	0	0	0	118	0	0	0	0
City of Hope Medical Ctr	3,325	0	0	105	0	0	0	3,220	0	0	0	0
Coastal Resources Center	16	0	16	0	0	0	0	0	0	0	0	0
Ctr Adv Study Behav Sci	946	0	0	0	0	0	0	0	0	0	946	0
CA Univ Res Earthqk Eng	76	0	0	0	0	0	0	0	0	0	76	0
Earthquake Eng Rsch Inst	303	0	0	0	0	0	0	0	0	0	303	0
East Side Productions	89	0	0	0	0	0	0	0	0	0	89	0
Educ & Technology Foundat	131	0	0	0	131	0	0	0	0	0	0	0
Electric Power Research	228	0	0	0	0	228	0	0	0	0	0	0
Elkhorn Slough Foundation	50	0	50	0	0	0	0	0	0	0	0	0
Estelle Doheny Eye Fdn	2,572	0	0	0	0	0	0	2,572	0	0	0	0
EEG Systems Lab	719	0	0	0	0	0	0	719	0	0	0	0
Far West Lab Ed Res & Dev	2,557	0	0	0	2,557	0	0	0	0	0	0	0
Fdn Employment & Disblty	295	0	0	0	0	0	0	0	0	0	295	0
Fndtn Educatl Adv Today	50	0	0	0	50	0	0	0	0	0	0	0
Gas Cooled Reactor Assoc	155	0	0	0	0	155	0	0	0	0	0	0
Helicon Foundation	105	0	0	105	0	0	0	0	0	0	0	0
Hereditary Disease Fnd	367	0	0	0	0	0	0	367	0	0	0	0
House Ear Institute	528	0	0	0	0	0	0	528	0	0	0	0
Huntington Med Rsch Insts	1,151	0	0	0	0	0	0	1,151	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Inst for Rsch on Learning	405	0	0	0	0	0	0	0	0	0	405	0
Inst of Human Origins	436	0	0	0	0	0	0	0	0	0	436	0
Inst of Math Statistics	29	0	0	0	0	0	0	0	0	0	29	0
Inst Medical Research	1,095	0	0	0	0	0	0	1,095	0	0	0	0
Intl Assc Phys Sci Ocean	36	0	0	0	0	0	0	0	0	0	36	0
Intl Computer Sci Inst	306	0	0	188	0	0	0	0	0	0	118	0
Intl Idsrl Sympsa Spr Con	20	0	0	0	0	20	0	0	0	0	0	0
Jay David Gladstone Fdn	2,896	0	0	0	0	0	0	2,896	0	0	0	0
John Muir Memorial Hosp	2,465	0	0	0	0	0	0	2,465	0	0	0	0
Kaiser Fdn Rsch Inst	9,869	0	0	0	0	0	0	9,869	0	0	0	0
Kaiser Foundation Hosp	89	0	0	0	0	0	0	89	0	0	0	0
Kariotis & Associates	148	0	0	0	0	0	0	0	0	0	148	0
La Jolla Cancer Rsch Fdn	8,371	0	0	0	0	0	0	8,293	0	0	78	0
La Jolla Clinic Res F	294	0	0	0	0	0	0	294	0	0	0	0
LaJolla Institute	711	0	0	0	0	0	0	708	0	0	3	0
Life Lab Sci Prog	632	0	0	0	0	0	0	0	0	0	632	0
LA Council of Bk Prof En	51	0	0	0	0	0	0	0	0	0	51	0
LA Cty Museum of Nat Hist	1,035	0	0	0	0	0	0	0	0	0	1,035	0
Math Sciences Rsch Inst	2,620	0	0	0	0	0	0	0	0	0	2,620	0
Med Rsch Inst of S F	5,845	0	0	0	0	0	0	5,845	0	0	0	0
Medical Biology Institute	4,143	0	0	0	0	0	0	4,143	0	0	0	0
Memorial Hosp & Med Ctr	358	0	0	0	0	0	0	358	0	0	0	0
Merritt-Peralta Hospital	114	0	0	0	0	0	0	114	0	0	0	0
Molecular Research Inst	545	0	0	0	0	0	90	367	0	0	88	0
Monterey Inst Res Astron	109	0	0	0	0	0	0	888	0	0	109	0
Mt Zion Hosp & Med Ctr	888	0	0	0	0	0	0	0	0	0	0	0
National Geothermal Assoc	190	0	0	0	0	190	0	0	0	0	0	0
Natl Ctr for Health Educ	67	0	0	0	67	0	0	0	0	0	0	0
Natl Food Process Assoc	33	0	33	0	0	0	0	0	0	0	0	0
Nrthrn Cal Cancer Prog	3,243	0	0	0	0	0	0	3,243	0	0	0	0
Ntl Ctr for Dev of Ed	23	0	0	0	0	0	0	0	0	0	23	0
Pacific Inst for Res	3,394	0	0	0	0	0	0	3,394	0	0	0	0
Pacific Med Ctr	443	0	0	0	0	0	0	443	0	0	0	0
Palo Alto Med Res Found	1,818	0	0	0	0	0	0	1,818	0	0	0	0
Point Reyes Bird Observ	75	0	0	0	0	0	0	0	0	0	75	0
Public Health Fdn - LA	699	0	0	0	0	0	0	699	0	0	0	0
Rancho Los Amigos Hosp	5	0	0	0	0	0	0	0	0	0	5	0
Rancho Santa Ana Bot Gdns	116	0	0	0	0	0	0	0	0	0	116	0
Rand Corporation	90,006	0	0	79,348	0	0	196	9,099	0	72	716	575
Rockwell Intl Science Ctr	347	0	0	0	0	123	0	0	0	224	0	0
S W Reg Educ Lab	139	0	0	0	0	0	0	139	0	0	0	0
Salk Inst for Biol Stud	29,405	0	0	6,837	0	485	0	21,730	0	0	353	0
San Barb Museum Nat H	457	0	179	0	0	0	0	0	0	0	278	0
San Diego Soc Nat Hist	43	0	0	0	0	0	0	0	0	0	43	0
San Francisco General Hsp	49	0	0	0	0	0	49	0	0	0	0	0
Scientific Analysis Corp	985	0	0	0	0	0	0	985	0	0	0	0
Scripps Clinic & Res Fdn	57,706	0	0	1,045	0	0	0	55,759	0	240	662	0
Scripps Memorial Hospital	3,675	0	0	0	0	0	0	3,675	0	0	0	0
Smith Kttwll Eye Rsch	2,424	0	0	157	0	0	0	2,267	0	0	0	0
Soc of Vertebrate Paleon	25	0	0	0	0	0	0	0	0	0	25	0
Soc Archaeological Sc	23	0	0	0	0	0	0	0	0	0	23	0
Society Hispanic Prof Eng	98	0	0	0	0	0	0	98	0	0	0	0
Southern Calif Res Inst	140	0	0	0	0	0	0	140	0	0	0	0
St Vincent Med Ctr	108	0	0	0	0	0	0	108	0	0	0	0
Sutter Cmty Hosps-Scm	54,390	0	0	36,057	0	1,186	308	8,312	0	3,457	4,180	890
SRI International	448	0	0	0	0	0	0	0	0	0	448	0
The Exploratorium	177	0	0	0	0	0	0	0	0	0	177	0
Torrey Pines Inst Mol Std	4	0	0	0	0	0	0	0	0	0	4	0
Tradeswomen Inc	169	0	0	0	0	0	0	169	0	0	0	0
Transnational Family Rsch	3	0	0	0	0	0	0	0	0	0	0	3
Women at Work	56	0	0	0	0	0	0	0	0	0	56	0
Zoolgi Soc of San Diego	1	0	0	0	0	0	0	1	0	0	0	0
Zweng Mem Retina Rsch Ctr	1	0	0	0	0	0	0	0	0	0	0	0
Hawaii, total	9,266	5,022	1,611	0	0	294	0	1,860	0	0	479	0
Bernice P Bishop Museum	479	0	0	0	0	0	0	0	0	0	479	0
East-West Center	294	0	0	0	0	294	0	0	0	0	0	0
Hawaii Sugar Planters Ass	966	966	0	0	0	0	0	0	0	0	0	0
Kapiolani Child Med Ctr	75	0	0	0	0	0	0	75	0	0	0	0
Kuskini Med Rsch Inst	1,204	0	0	0	0	0	0	1,204	0	0	0	0
Molokai General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Pacific Fishery Dev Fds	411	0	411	0	0	0	0	0	0	0	0	0
Pacific Hlth Rsch Inst	531	0	0	0	0	0	0	531	0	0	0	0
The Oceanic Institute	5,256	4,056	1,200	0	0	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-18. Federal obligations to independent nonprofit institutions for research and development and R&D plant, by geographic division, State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division, State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Oregon, total	26,709	0	1,422	125	3,302	0	0	21,047	0	271	538	0
Good Samaritan Hosp&Med C	3,629	0	0	0	0	0	0	3,231	0	271	127	0
Integrated Rsch Services	86	0	0	0	0	0	0	86	0	0	0	0
Kaiser Foundation	312	0	0	0	0	0	0	312	0	0	0	0
Medical Res Fdn of Oregon	9,558	0	0	129	0	0	0	9,429	0	0	0	0
Mountain View Distrct Hosp	15	0	0	0	0	0	0	15	0	0	0	0
Nat Coastal Resources Rsh	1,177	0	1,177	0	0	0	0	0	0	0	0	0
NW Reg Education Lab	3,302	0	0	0	3,302	0	0	0	0	0	0	0
Oregon Museum Sci Industry	411	0	0	0	0	0	0	0	0	0	411	0
Oregon Research Inst	4,692	0	0	0	0	0	0	4,692	0	0	0	0
Oregon Social Learnng Ctr	2,096	0	0	0	0	0	0	2,096	0	0	0	0
Pacific Marine Fishery Co	110	0	110	0	0	0	0	0	0	0	0	0
Providence Med Ctr-PrInd	1,136	0	0	0	0	0	0	1,136	0	0	0	0
Seafd Con Ctr Inc.	135	0	135	0	0	0	0	0	0	0	0	0
St Anthony Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Washington, total	58,434	0	59	107	117	3,124	181	52,961	0	0	1,885	0
Astrophysical Rsch Cons	953	0	0	0	0	0	0	0	0	0	953	0
Biomembrane Institute	853	0	0	0	0	0	0	853	0	0	0	0
Child Orthopedic Hospital	1,610	0	0	0	0	0	0	1,610	0	0	0	0
F Hutchnson Cancr Res Inst	44,047	0	0	0	67	89	181	43,169	0	0	541	0
Fdn Glacier & Environ Rch	53	0	0	0	0	0	0	0	0	0	53	0
Manford Occ Hlth Found	3,035	0	0	0	0	3,035	0	0	0	0	0	0
Inst Applied Physiol	281	0	0	0	0	0	0	176	0	0	105	0
Intl Soc for Optical Eng	19	0	0	19	0	0	0	0	0	0	0	0
Issaquah Hlth Res Inst	2,160	0	0	0	0	0	0	2,160	0	0	0	0
Model Classrooms Assoc	50	0	0	0	50	0	0	0	0	0	0	0
Okanogan-Douglas Co H	50	0	0	0	0	0	0	50	0	0	0	0
Pac Cnty Ec Dev Council	59	0	59	0	0	0	0	0	0	0	0	0
Pacific Northwest Res Fdn	577	0	0	88	0	0	0	489	0	0	0	0
Pacific Science Ctr Fdn	131	0	0	0	0	0	0	0	0	0	131	0
Puget Sound Blood Center	1,605	0	0	0	0	0	0	1,605	0	0	0	0
Seattle Biomed Rsch Inst	102	0	0	0	0	0	0	0	0	0	102	0
Seattle Research Center	1,466	0	0	0	0	0	0	1,466	0	0	0	0
Swedish Hospital Med Ctr	381	0	0	0	0	0	0	381	0	0	0	0
Tri-State Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
VA Mason Fdn-Med Educ&Res	952	0	0	0	0	0	0	952	0	0	0	0
Outlying Areas, total	50	0	0	0	0	0	0	50	0	0	0	0
Puerto Rico, total	50	0	0	0	0	0	0	50	0	0	0	0
Castaner General Hospital	50	0	0	0	0	0	0	50	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

NOTE: Because of coding problems that were not corrected prior to publication, three institutions were incorrectly listed as follows: (1) "American Institutes for Research" in Pennsylvania should be listed as "School Science and Mathematics Association" (located in Ohio and receiving \$118 from NSF); (2) data for "Merit Network, Inc." (located in Michigan and receiving \$1,126 from NSF) was reported as part of "Battelle Memorial Institute" in Ohio; and (3) "Portland Cement Association" in Illinois should be listed as "Mid-Atlantic Fisheries Development Foundation" (located in Maryland and receiving \$147 from Commerce). Each of the three institutions, if correctly reported, would also be listed in table B-22 as "other independent nonprofit institutions".

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-19. Federal obligations for research and development and R&D plant to the 100 nonprofit institutions receiving the largest amounts: fiscal years 1988-90

[Dollars in thousands]

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Institution (ranked by total 1990 Federal obligations)	1988	1989	1990	Institution (ranked by total 1990 Federal obligations)	1988	1989	1990
Rank				Rank			
Total, all institutions	1,953,526	2,102,128	2,282,751				
1 Univ Rsch Assc-Spr Conduc	-	19,365	169,380	51 Whitehead Inst Biomed	8,251	8,239	8,523
2 Draper Laboratories	194,279	142,685	136,012	52 Universities Space Rsch	3,166	8,651	8,447
3 Sematech, Inc.	100,000	100,000	100,000	53 La Jolla Cancer Rsch Fdn	7,632	8,756	8,371
4 Rand Corporation	32,902	33,051	90,006	54 N Eng Deaconess Hospital	6,723	9,484	7,678
5 Mass General Hospital	45,828	56,838	66,461	55 Consortium for Sci Comput	10,138	13,075	7,525
6 IIT Research Institute	79,175	91,856	62,119	56 Child Hosp of Los Angeles	5,323	6,911	7,427
7 Brigham and Women's Hosp	53,370	59,894	61,715	57 Univ Corp for Atmos Rsch	756	3,149	7,332
8 Scripps Clinic & Res Fdn	52,423	54,549	57,706	58 Rush Prsbytrn/St Lks	5,363	5,791	7,173
9 Nat'l Academy of Sciences	58,452	62,759	54,457	59 Hudson Inst	165	0	7,079
10 SRI International	79,364	60,986	54,390	60 Ctr for Blood Research	5,444	6,662	7,064
Total 1st 10 institutions	695,793	681,983	852,246	Total 1st 60 institutions	1,434,745	1,533,380	1,750,494
11 Research Triangle Inst	53,015	61,663	54,106	61 Mass Eye & Ear Infirmary	6,676	6,322	6,659
12 F Hutchnson Cancr Res Inst	35,927	40,833	44,047	62 Beckman Research Inst	6,659	6,119	6,643
13 Battelle Memorial Inst	49,537	51,666	43,741	63 Univ City Science Center	6,145	7,191	6,570
14 Sloan-Kettering Cancer Rs	40,257	44,595	43,609	64 Retina Found	6,071	6,342	6,048
15 Dana-Farber Cancer Inst	37,430	41,799	41,687	65 University Hospital	4,772	4,842	5,937
16 Mayo Foundation	38,617	39,801	37,521	66 Med Rsch Inst of S F	4,460	5,915	5,845
17 Asan Univ Rsch & Astron	23,739	27,346	31,872	67 MD Medical Rsch Inst	5,522	4,327	5,782
18 Salik Inst for Biol Stud	27,986	27,184	29,405	68 South East Consortium	0	0	5,600
19 Southwest Research Inst	31,566	32,104	29,344	69 Child Hosp Med Ctr Cincin	5,531	4,566	5,488
20 H M Jackson Foundatn	3,465	5,928	28,448	70 Cedars-Sinai Med Ctr	5,486	6,585	5,484
Total 1st 20 institutions	1,037,332	1,054,902	1,235,826	Total 1st 70 institutions	1,486,067	1,585,589	1,810,550
21 Children's Hospital	21,688	23,366	27,030	71 Forsyth Dental Center	4,590	4,874	5,387
22 Joint Ocean Insts Inc	25,001	26,213	26,392	72 Urban Institute	4,428	7,064	5,321
23 Analytic Services, Inc	26,050	28,475	24,397	73 Michigan Cancer Fdn	4,965	5,717	5,281
24 Western Research Inst	5,394	20,785	21,524	74 Stethstrn Ctr Elec Eng Ed	3,230	5,572	5,261
25 Southern Research Inst	23,801	21,307	21,144	75 Midwest Research Inst	11,294	10,521	5,258
26 Wistar Institute	20,163	21,986	20,889	76 The Oceanic Institute	9,473	3,772	5,256
27 Jackson Lab	9,445	10,600	19,688	77 Amer Society-Engr Educ	1,986	13,457	5,050
28 Environmental Res Inst	7,794	13,773	18,241	78 Joslin Diabetes Fdn Inc	5,191	4,129	4,829
29 N Eng Med Ctr & Hospitals	20,190	19,887	17,357	79 St Luke's Inst for Health	4,026	3,872	4,798
30 Cold Spring Harbor Lab	13,296	13,447	16,519	80 Oregon Research Inst	2,956	2,944	4,692
Total 1st 30 institutions	1,210,154	1,254,741	1,449,007	Total 1st 80 institutions	1,538,206	1,647,511	1,861,683
31 Beth Israel Hospital	11,532	15,684	16,155	81 Okla Medical Res Found	6,139	4,826	4,527
32 Fox Chase Cancer Center	-	8,796	15,977	82 Ek Shriver Ctr Ment Ret	5,122	5,612	4,525
33 MPC Corp	1,664	12,520	15,763	83 Natl Bureau Econ Rsch Inc	3,002	4,608	4,516
34 St Jude Child Rsch Hosp	11,289	11,756	12,137	84 Public Health Res Inst	4,558	4,920	4,394
35 Child Hosp of Phila	11,217	11,619	11,888	85 North Shore Univ Hosp	1,709	2,488	4,358
36 American Hlth Fdn Inc	12,947	11,780	11,516	86 Tech Ed Rsch Ctr	1,693	1,739	4,281
37 Assn of American Railrds	9,201	9,218	11,507	87 Friends of Psychiatr Res	1,163	2,938	4,209
38 Cleveland Clinic Fdn	10,280	12,506	11,078	88 Medical Biology Institute	3,311	5,209	4,143
39 Jewish Hosp of St Louis	8,184	9,656	10,914	89 Boston Biomed Res Inst	3,759	4,384	4,079
40 McLean Hospital	7,574	10,444	10,759	90 Narcotics & Drug Rch Inst	-	4,113	4,063
Total 1st 40 institutions	1,294,042	1,368,720	1,576,701	Total 1st 90 institutions	1,568,662	1,688,348	1,904,778
41 Riverside Res Inst	18,619	10,738	10,684	91 Child Hosp of Pittsburgh	18,267	3,749	3,815
42 Southwest Fdn for Res&Ed	10,393	10,141	10,581	92 Scripps Memorial Hospital	615	3,136	3,675
43 Natl Jewish Ctr Immunolog	8,854	9,705	10,284	93 Natl Sci Teachers Assoc	618	3,237	3,632
44 Kaiser Fdn Rsch Inst	8,030	9,375	9,869	94 Good Samaritan Hosp&Med C	2,767	3,388	3,629
45 Montefiore Hosp & Med Ctr	9,107	9,260	9,781	95 Carnegie Inst of Wash	3,107	3,086	3,580
46 Worcester Fdn Exp Bic	9,644	10,130	9,605	96 Amer Registry Pathology	-	46	3,559
47 Medical Res Fdn of Oregon	7,509	9,608	9,558	97 St Luke's Hospital Center	2,420	2,724	3,456
48 American Iron & Steel Ins	-	7,985	9,254	98 Pacific Inst for Res	1,639	1,828	3,394
49 Inst of Gas Technology	8,750	8,344	8,921	99 Roger Williams Gen Hosp	2,156	3,688	3,375
50 Henry Ford Hospital	6,836	8,656	8,637	100 Am Inst of Aeron & Astron	3,034	2,566	3,355
Total 1st 50 institutions	1,381,784	1,462,662	1,673,875	Total 1st 100 institutions	1,603,285	1,715,796	1,940,248

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all institutions		1,469,994	5,965	13,620	551,915	17,005	206,703	22,353	512,786	494	45,046	89,714	4,393
1	Univ Rsch Assc-Spr Conduc	169,380	0	0	0	0	169,380	0	0	0	0	0	0
2	Draper Laboratories	136,012	0	0	121,976	0	0	0	0	0	13,667	369	0
3	Somatech, Inc.	100,000	0	0	100,000	0	0	0	0	0	0	0	0
4	Rand Corporation	90,006	0	0	79,348	0	0	196	9,099	0	72	716	575
5	IIT Research Institute	62,119	0	0	57,225	0	291	524	3,606	0	0	0	473
6	SRI International	54,390	0	0	36,057	0	1,186	308	8,312	0	3,457	4,180	890
7	Research Triangle Inst	54,106	0	0	5,986	0	627	10,942	34,746	0	1,803	0	0
8	F Hutchnsm Cancr Res Inst	44,047	0	0	0	67	89	181	43,169	0	0	541	0
9	Battelle Memorial Inst	43,741	0	0	33,148	0	1,137	1,400	4,305	0	2,625	1,126	0
10	Sloan-Kettering Cancr Rs	43,609	0	0	508	0	733	0	42,270	0	0	98	0
Total 1st 10 institutions		797,410	0	0	434,248	67	173,443	13,551	145,509	0	21,624	7,030	1,938
11	Salk Inst for Biol Stud	29,405	0	0	6,837	0	485	0	21,730	0	0	353	0
12	Southwest Research Inst	29,344	0	76	13,336	0	3,164	240	0	117	11,365	166	880
13	H M Jackson Foundation	28,448	0	0	22,142	0	0	0	6,097	0	0	209	0
14	Joint Ocean Insts Inc	26,392	0	0	65	0	0	0	0	0	0	26,327	0
15	Analytic Services, Inc	24,397	0	0	24,397	0	0	0	0	0	0	0	0
16	Western Research Inst	21,524	0	0	0	0	21,455	0	0	69	0	0	0
17	Southern Research Inst	21,144	0	0	5,647	0	853	1,561	12,720	0	363	0	0
18	Wistar Institute	20,889	0	0	0	0	0	0	20,575	0	0	314	0
19	Jackson Lab	19,688	0	0	0	0	127	0	19,362	0	0	199	0
20	Environmental Res Inst	18,241	0	0	16,833	0	350	0	0	0	1,058	0	0
Total 1st 20 institutions		1,036,882	0	76	523,505	67	199,877	15,352	225,993	186	34,410	34,598	2,818
21	Cold Spring Harbor Lab	16,519	5	0	21	0	10	20	14,950	0	0	1,513	0
22	Fox Chase Cancer Center	15,977	0	0	0	0	0	0	15,817	0	0	160	0
23	MPC Corp	15,763	0	0	0	0	0	0	1,445	0	0	14,318	0
24	American Hlth Fdn Inc	11,516	0	0	0	0	0	0	11,516	0	0	0	0
25	Riverside Res Inst	10,684	0	0	9,786	0	0	0	898	0	0	0	0
26	Southwest Fdn for Res&Ed	10,581	0	0	381	0	0	3	10,197	0	0	0	0
27	Kaiser Fdn Rsch Inst	9,869	0	0	0	0	0	0	9,869	0	0	0	0
28	Worcester Fdn Exp Bio	9,605	200	0	0	0	148	0	9,100	0	0	157	0
29	Medical Res Fdn of Oregon	9,558	0	0	129	0	0	0	9,429	0	0	0	0
30	Whitehead Inst Biomed	8,523	0	0	0	0	0	0	8,050	0	0	473	0
Total 1st 30 institutions		1,155,477	205	76	533,822	67	200,035	15,375	317,264	186	34,410	51,219	2,818
31	La Jolla Cancer Rsch Fdn	8,371	0	0	0	0	0	0	8,293	0	0	78	0
32	Consortium for Sci Comput	7,525	0	0	0	0	0	0	0	0	0	7,525	0
33	Univ Corp for Atmos Rsch	7,332	0	5,669	0	0	0	0	0	0	1,663	0	0
34	Hudson Inst	7,079	0	0	7,079	0	0	0	0	0	0	0	0
35	Ctr for Blood Research	7,064	0	0	0	0	0	0	7,064	0	0	0	0
36	Beckman Research Inst	6,643	0	0	0	0	0	0	6,343	0	0	300	0
37	Univ City Science Center	6,570	0	0	0	0	2,398	163	3,535	0	474	0	0
38	Retina Found	6,048	0	0	0	0	0	0	6,048	0	0	0	0
39	Med Rsch Inst of S F	5,845	0	0	0	0	0	0	5,845	0	0	0	0
40	MD Medical Rsch Inst	5,782	0	0	0	0	0	0	5,782	0	0	0	0
Total 1st 40 institutions		1,223,736	205	5,745	540,901	67	202,433	15,538	360,174	186	36,547	59,122	2,818
41	Forsyth Dental Center	5,387	0	0	0	0	0	0	5,387	0	0	0	0
42	Urban Institute	5,321	0	0	0	0	0	320	4,177	0	0	16	808
43	Michigan Cancer Fdn	5,281	0	0	0	0	0	0	5,281	0	0	0	0
44	Midwest Research Inst	5,258	0	0	35	0	0	2,344	2,575	0	114	0	190
45	The Oceanic Institute	5,256	4,056	1,200	0	0	0	0	0	0	0	0	0
46	St Luke's Inst for Health	4,798	0	0	0	0	0	0	4,798	0	0	0	0
47	Oregon Research Inst	4,692	0	0	0	0	0	0	4,692	0	0	0	0
48	Okl Medical Res Found	4,527	0	0	0	0	0	0	4,467	0	0	60	0
49	Ek Shrivar Ctr Ment Ret	4,525	0	0	0	0	0	0	4,451	0	0	74	0
50	Natl Bureau Econ Rsch Inc	4,516	0	0	0	0	0	0	1,955	0	0	2,561	0
Total 1st 50 institutions		1,273,297	4,261	6,945	540,936	67	202,433	18,202	397,957	186	36,661	61,833	3,816

See explanatory material, if any, and SOURCE, at end of table.

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Public Health Res Inst	4,394	0	0	0	0	0	0	4,147	0	0	247	0
52	Tech Ed Resh Ctr	4,281	0	0	0	0	0	0	0	0	0	4,281	0
53	Friends of Psychiatr Res	4,209	0	0	0	0	0	0	4,209	0	0	0	0
54	Medical Biology Institute	4,143	0	0	0	0	0	0	4,143	0	0	0	0
55	Boston Biomed Res Inst	4,079	0	0	0	0	0	0	3,964	0	0	115	0
56	Harcotics & Drug Rch Inst	4,063	0	0	0	0	0	0	4,063	0	0	0	0
57	Amer Registry Pathology	3,559	0	0	3,511	0	0	0	0	0	0	48	0
58	Pacific Inst for Res	3,394	0	0	0	0	0	0	3,394	0	0	0	0
59	Am Inst of Aeron & Astron	3,355	0	0	22	0	0	0	0	0	3,333	0	0
60	NW Reg Education Lab	3,302	0	0	0	3,302	0	0	0	0	0	0	0
Total 1st 60 institutions		1,312,076	4,261	6,945	544,469	3,369	202,433	18,202	421,877	186	39,994	66,524	3,816
61	JFK Inst Handicapped	3,288	0	0	0	0	0	0	3,288	0	0	0	0
62	Nrthrn Cal Cancer Prog	3,243	0	0	0	0	0	0	3,243	0	0	0	0
63	Nat Opinion Research Ctr	3,202	0	0	0	0	0	0	1,411	0	0	1,791	0
64	Monell Chem Senses Cntr	3,125	55	0	0	0	0	0	2,890	0	0	180	0
65	Lovelace Fdn for Med Ed	3,076	0	0	0	0	293	112	2,587	0	84	0	0
66	W Alton Jones Cell Sc Ctr	2,924	0	0	0	0	0	0	2,924	0	0	0	0
67	Ctr Molecular Med&Imm	2,763	0	0	0	0	0	0	2,763	0	0	0	0
68	Education Development Ctr	2,680	0	0	0	0	0	0	493	0	0	2,184	3
69	Koba Institute	2,626	0	0	0	0	0	0	2,626	0	0	0	0
70	Math Sciences Resh Inst	2,620	0	0	0	0	0	0	0	0	0	2,620	0
Total 1st 70 institutions		1,341,623	4,316	6,945	544,469	3,369	202,726	18,314	444,102	186	40,078	73,299	3,819
71	Nat'l Disease Resh In	2,600	0	0	0	0	0	0	2,600	0	0	0	0
72	Estelle Doheny Eye Fdn	2,572	0	0	0	0	0	0	2,572	0	0	0	0
73	Far West Lab Ed Res & Dev	2,557	0	0	0	2,557	0	0	0	0	0	0	0
74	Res for Better Schs Inc	2,430	0	0	0	2,430	0	0	0	0	0	0	0
75	Haskins Laboratories Inc	2,425	0	0	0	0	0	0	2,310	0	0	115	0
76	Smith Kttwll Eye Resh	2,424	0	0	157	0	0	0	2,267	0	0	0	0
77	Children's Hosp Natl Med	2,358	0	0	0	0	0	0	2,358	0	0	0	0
78	Childrens TV Workshop	2,343	0	0	0	0	0	0	0	0	0	2,343	0
79	Corp Natl Resh Initiative	2,339	0	0	0	0	0	0	0	0	0	2,339	0
80	Marine Biological Lab	2,326	0	0	50	0	15	0	2,198	0	63	0	0
Total 1st 80 institutions		1,365,997	4,316	6,945	544,676	8,356	202,741	18,314	458,407	186	40,141	78,096	3,819
81	E Roosevelt Inst Cancer	2,306	0	0	0	0	0	0	2,306	0	0	0	0
82	Eye & Ear Inst Pittsburgh	2,237	0	0	0	0	0	0	2,237	0	0	0	0
83	Gorgas Mem Inst Trp'l Med	2,233	0	0	100	0	0	0	2,133	0	0	0	0
84	Oregon Social Learning Ctr	2,096	0	0	0	0	0	0	2,096	0	0	0	0
85	Cal Inst of Bio Rsrch	1,941	0	0	0	0	514	0	1,427	0	0	0	0
86	Medical Res Fnd Buffalo	1,938	0	0	0	0	0	0	1,822	0	0	116	0
87	Human Ecology Inst	1,902	0	0	0	0	0	0	1,902	0	0	0	0
88	Am Inst of Biological Sci	1,874	0	0	847	0	88	0	0	0	909	30	0
89	Palo Alto Med Res Found	1,818	0	0	0	0	0	0	1,818	0	0	0	0
90	N E Resh Fdn	1,790	0	0	276	0	0	113	0	0	378	1,023	0
Total 1st 90 institutions		1,386,132	4,316	6,945	545,899	8,356	203,343	18,427	474,148	186	41,428	79,265	3,819
91	Syracuse Research Corp	1,775	0	0	438	0	0	1,243	29	0	65	0	0
92	Appalachia Educ Lab	1,767	0	0	0	1,767	0	0	0	0	0	0	0
93	Southwest Educ Dev Lab	1,759	0	0	0	1,759	0	0	0	0	0	0	0
94	Midcontinent Reg Educ Lab	1,728	0	0	0	1,723	0	0	0	0	0	0	5
95	SE Educ Improvement Lab	1,696	0	0	0	1,696	0	0	0	0	0	0	0
96	Coriell Inst for Med Rsch	1,696	0	0	0	0	0	0	1,696	0	0	0	0
97	Frontier Sci & Tech R	1,585	0	0	0	0	0	0	1,585	0	0	0	0
98	Inst for Technology Dev	1,526	116	0	0	0	0	0	0	0	1,410	0	0
99	Perry Foundation Inc	1,517	0	1,517	0	0	0	0	0	0	0	0	0
100	Resh Fdn Mntl Hygiene Inc	1,507	0	0	1,507	0	0	0	0	0	0	0	0
Total 1st 100 institutions		1,402,688	4,432	8,462	547,844	15,301	203,343	19,670	477,458	186	42,903	79,265	3,824

See explanatory material, if any, and SOURCE, at end of table.

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	Gulf Coast Rsch Lab	1,497	775	292	250	0	0	180	0	0	0	0	0
102	Seattle Research Center	1,466	0	0	0	0	0	0	1,466	0	0	0	0
103	NE Radio Observatory Ctr	1,465	0	0	0	0	0	0	0	0	0	1,465	0
104	Mitre Corporation	1,383	0	0	0	0	0	0	1,157	0	226	0	0
105	North Charles Mental Hlth	1,327	0	0	0	0	0	0	1,327	0	0	0	0
106	Lowell Observatory	1,215	0	0	565	0	0	0	0	0	562	88	0
107	Kuskini Med Rsch Inst	1,204	0	0	0	0	0	0	1,204	0	0	0	0
108	Trudeau Institute Inc	1,199	0	0	0	0	0	0	1,199	0	0	0	0
109	Woods Hole Research C	1,192	0	0	690	0	222	150	0	0	0	130	0
110	Alaska Fishery Dev Fdn	1,190	0	1,190	0	0	0	0	0	0	0	0	0
Total 1st 110 institutions		1,415,826	5,207	9,944	549,349	15,301	203,565	20,000	483,811	186	43,691	80,948	3,824
111	Allegheny Singer Rsch	1,189	0	0	0	0	0	0	1,189	0	0	0	0
112	Nat Coastal Resources Rsh	1,177	0	1,177	0	0	0	0	0	0	0	0	0
113	Cal Pub Hlth Foundation	1,169	0	0	0	0	0	0	1,096	0	0	73	0
114	Franklin Inst-Bartol Rsch	1,152	0	0	0	0	245	0	0	0	0	907	0
115	Huntington Med Rsch Insts	1,151	0	0	0	0	0	0	1,151	0	0	0	0
116	New Jersey Marine Sci Con	1,118	0	1,118	0	0	0	0	0	0	0	0	0
117	Inst Medical Research	1,095	0	0	0	0	0	0	1,095	0	0	0	0
118	Natl Biomedical Res Fdn	1,092	0	0	0	0	0	0	1,092	0	0	0	0
119	B Thompson Inst Plant Res	1,035	531	0	0	0	148	84	81	0	0	191	0
120	Resources for Future Inc	1,002	0	0	0	0	0	832	0	20	100	50	0
Total 1st 120 institutions		1,427,006	5,738	12,239	549,349	15,301	203,958	20,916	489,515	206	43,791	82,169	3,824
121	Indianapolis Ctr Adv Rsch	1,001	0	0	0	0	0	0	0	0	1,001	0	0
122	Scientific Analysis Corp	985	0	0	0	0	0	0	985	0	0	0	0
123	Ctr for Policy Research	965	0	0	0	0	0	0	965	0	0	0	0
124	Astrophysical Rsch Cons	953	0	0	0	0	0	0	0	0	0	953	0
125	VA Mason Fdn-Med Educ&Res	952	0	0	0	0	0	0	952	0	0	0	0
126	Skidaway Inst of Ocean	948	0	0	121	0	827	0	0	0	0	0	0
127	Ctr Adv Study Behav Sci	946	0	0	0	0	0	0	0	0	0	946	0
128	Ctr Hlth Economic Rsch	905	0	0	0	0	0	0	905	0	0	0	0
129	Natl Public Srvc Rsch Ins	887	0	0	0	0	0	0	849	0	0	0	38
130	Franklin Inst	884	0	0	0	280	0	0	0	0	0	684	0
Total 1st 130 institutions		1,436,432	5,738	12,239	549,470	15,501	204,785	20,916	494,171	206	44,792	84,752	3,862
131	Biomembrane Institute	853	0	0	0	0	0	0	853	0	0	0	0
132	Mediantic Health Care	837	0	0	0	0	0	0	837	0	0	0	0
133	Agouran Institute	816	0	0	50	0	0	0	658	0	0	108	0
134	Lankenau Med Rsch Center	779	0	0	0	0	0	0	779	0	0	0	0
135	Health Research Inc.	765	0	0	397	0	0	126	0	0	0	242	0
136	EEG Systems Lab	719	0	0	0	0	0	0	719	0	0	0	0
137	Marshfield Med Rsch Fdn	717	0	0	0	0	0	0	717	0	0	0	0
138	Lajolla Institute	711	0	0	0	0	0	0	708	0	0	3	0
139	Public Health Fdn - LA	699	0	0	0	0	0	0	699	0	0	0	0
140	Santa Fe Institute	698	0	0	0	0	346	0	0	0	0	352	0
Total 1st 140 institutions		1,444,026	5,738	12,239	549,917	15,501	205,131	21,042	500,141	206	44,792	85,457	3,862
141	Human Resources Res Org	689	0	0	689	0	0	0	0	0	0	0	0
142	Rehab Inst of Chicago	679	0	0	0	0	0	0	679	0	0	0	0
143	Conag Policy Rsch Cntr	630	0	0	0	0	600	30	0	0	0	0	0
144	Natl Conf St Legis Ldrs	587	0	0	0	0	0	587	0	0	0	0	0
145	Pacific Northwest Res Fdn	577	0	0	88	0	0	0	489	0	0	0	0
146	James H Gamble Inst Med	560	0	0	122	0	0	0	438	0	0	0	0
147	Molecular Research Inst	545	0	0	0	0	0	90	367	0	0	88	0
148	Pacific Hlth Rsch Inst	531	0	0	0	0	0	0	531	0	0	0	0
149	House Ear Institute	528	0	0	0	0	0	0	528	0	0	0	0
150	Berkshire Med Ctr	500	0	0	0	0	0	0	500	0	0	0	0
Total 1st 150 institutions		1,449,852	5,738	12,239	550,816	15,501	205,731	21,749	503,673	206	44,792	85,545	3,862

See explanatory material, if any, and SOURCE, at end of table.

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Minneapolis Med Res Fdn	481	0	0	0	0	0	0	481	0	0	0	0
152	Policy Center	444	0	0	0	0	0	0	444	0	0	0	0
153	Inst of Human Origins	436	0	0	0	0	0	0	0	0	0	436	0
154	Inst Aerobics Research	412	0	0	0	0	0	0	412	0	0	0	0
155	Center for Marine Conserv	410	0	160	0	0	0	250	0	0	0	0	0
156	Masonic Medical Rsch Lab	409	0	0	0	0	0	0	409	0	0	0	0
157	Inst for Rsch on Learning	405	0	0	0	0	0	0	0	0	0	405	0
158	Tampa Bay Rsch Inst Tech	394	0	0	0	0	0	0	394	0	0	0	0
159	American Inst for Res	393	0	0	0	0	0	0	393	0	0	0	0
160	Weis Center for Research	372	0	0	0	0	0	0	372	0	0	0	0
Total 1st 160 institutions		1,454,008	5,738	12,399	550,816	15,501	205,731	21,999	506,578	206	44,792	86,386	3,862
161	Hereditary Disease Fnd	367	0	0	0	0	0	0	367	0	0	0	0
162	Mt Desert Island Bio Lab	352	0	0	0	0	0	0	267	0	0	85	0
163	Rockwell Intl Science Ctr	347	0	0	0	0	123	0	0	0	224	0	0
164	Southwest Biomed Research	340	0	0	0	0	0	0	340	0	0	0	0
165	Cncl Excaptnl Childrn	339	0	0	0	339	0	0	0	0	0	0	0
166	Fdn Blood Research	325	0	0	0	0	0	0	0	0	0	325	0
167	Inst for Biogerontology	325	0	0	0	0	0	0	325	0	0	0	0
168	Philadelphia Psychiatric	323	0	0	0	0	0	0	323	0	0	0	0
169	Ctr for Applied Linguist	323	0	0	0	323	0	0	0	0	0	0	0
170	Intl Computer Sci Inst	306	0	0	188	0	0	0	0	0	0	118	0
Total 1st 170 institutions		1,457,355	5,738	12,399	551,004	16,163	205,854	21,999	508,200	206	45,016	86,914	3,862
171	Amb Sentinel Pract Ntwrk	303	0	0	0	0	0	0	303	0	0	0	0
172	Earthquake Eng Rsch Inst	303	0	0	0	0	0	0	0	0	0	303	0
173	Amer Inst Rsch/Wash DC	299	0	0	0	299	0	0	0	0	0	0	0
174	La Jolla Clinic Res F	294	0	0	0	0	0	0	294	0	0	0	0
175	East-West Center	294	0	0	0	0	294	0	0	0	0	0	0
176	Inst Applied Physiol	281	0	0	0	0	0	0	176	0	0	105	0
177	New England Fish Dev Fdn	275	0	275	0	0	0	0	0	0	0	0	0
178	Aspen Center for Physics	260	0	0	0	0	6	0	0	0	30	224	0
179	Cal Child Study Fdn	259	0	0	0	0	0	0	259	0	0	0	0
180	Salt Lake Clinic Res Fnd	257	0	0	0	0	0	0	257	0	0	0	0
Total 1st 180 institutions		1,460,180	5,738	12,674	551,004	16,462	206,154	21,999	509,489	206	45,046	87,546	3,862
181	Boston Mental Hlth Fdn	251	0	0	0	0	0	0	251	0	0	0	0
182	Manpower Demon Rsch Corp	250	0	0	0	0	0	0	0	0	0	0	250
183	Calspan - U of Buffalo	244	0	0	244	0	0	0	0	0	0	0	0
184	Kennedy Res Inst Inc	236	0	0	0	0	0	0	236	0	0	0	0
185	Search Institute	226	0	0	0	0	0	0	226	0	0	0	0
186	Factory Mutual Research	226	0	176	0	0	50	0	0	0	0	0	0
187	Mote Marine Laboratory	226	0	226	0	0	0	0	0	0	0	0	0
188	Applied Technology Cncl	224	0	120	0	0	0	0	0	0	0	104	0
189	Shapens Eye Res Inst	201	0	0	201	0	0	0	0	0	0	0	0
190	Hipple Cncl Rsch Ctr	191	0	0	0	0	0	0	191	0	0	0	0
Total 1st 190 institutions		1,462,455	5,738	13,196	551,449	16,462	206,204	21,999	510,393	206	45,046	87,650	4,112
191	Amer Geological Inst	190	0	0	0	0	0	0	0	190	0	0	0
192	Industrial Tech Institute	181	0	0	91	0	0	0	0	0	0	0	90
193	Carnegie Inst of Pitts	180	0	0	0	0	0	0	0	0	0	180	0
194	Torrey Pines Inst Mol Std	177	0	0	0	0	0	0	0	0	0	177	0
195	Sport Fishing Institute	174	0	174	0	0	0	0	0	0	0	0	0
196	Human Serv Rsch Inst	173	0	0	0	0	0	0	173	0	0	0	0
197	Pacific Inst Rsch&Eva	171	0	0	0	0	0	0	171	0	0	0	0
198	Transnational Family Rsch	169	0	0	0	0	0	0	169	0	0	0	0
199	Deborah Heart & Lung	169	0	0	0	0	0	0	169	0	0	0	0
200	Inst Rsch on Soci Prob	164	0	0	0	0	0	0	164	0	0	0	0
Total 1st 200 institutions		1,464,203	5,738	13,370	551,540	16,462	206,204	21,999	511,239	206	45,046	88,007	4,202

See explanatory material, if any, and SOURCE, at end of table.

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOO	Ed	DOE	EPA	MHS	Int	NASA	NSF	Other 1/
201	D Guthrie Fdn Med Res	163	0	0	0	0	0	0	163	0	0	0	0
202	Inst for Cancer Research	149	0	0	0	0	0	0	61	0	0	88	0
203	Missouri Lions Eye Rch Fd	148	0	0	0	0	0	0	148	0	0	0	0
204	Yale Southern Observa, Inc	146	0	0	0	0	0	0	0	0	0	146	0
205	Mid-Atlantic Res Inst	143	0	0	0	0	0	0	0	0	0	0	143
206	Hosp Res & Ed Trust	142	0	0	0	0	0	0	142	0	0	0	0
207	Personnel Decisions R	140	0	0	140	0	0	0	0	0	0	0	0
208	S W Reg Educ Lab	139	0	0	0	0	0	0	139	0	0	0	0
209	Miami Heart Institute	136	0	0	0	0	0	0	136	0	0	0	0
210	Primak Educat Foundation	134	0	0	0	134	0	0	0	0	0	0	0
Total 1st 210 institutions		1,465,643	5,738	13,370	551,680	16,596	206,204	21,999	512,028	396	45,046	88,241	4,345
211	Educ & Technology Foundat	131	0	0	0	131	0	0	0	0	0	0	0
212	Agricult Research Inst	130	0	0	0	0	0	130	0	0	0	0	0
213	Raid Foundation	128	0	0	0	128	0	0	0	0	0	0	0
214	Inst for We Policy Rsrch	125	0	0	0	0	0	0	0	0	0	80	45
215	Southern State Energy	123	0	0	0	0	123	0	0	0	0	0	0
216	Sugar Process Rsch Inst	121	121	0	0	0	0	0	0	0	0	0	0
217	Amer Institutes for Res	118	0	0	0	0	0	0	118	0	0	118	0
218	Rancho Santa Ana Bot Gdns	116	0	0	0	0	0	0	0	0	0	116	0
219	Monterey Inst Res Astron	109	0	0	0	0	0	0	0	0	0	109	0
220	Systems for Envir Mgt	106	106	0	0	0	0	0	0	0	0	0	0
Total 1st 220 institutions		1,466,850	5,965	13,370	551,680	16,855	206,327	22,129	512,028	396	45,046	88,664	4,390
221	Seattle Biomed Rsch Inst	102	0	0	0	0	0	0	0	0	0	102	0
222	Inst for Law & Soc Rsch	100	0	0	0	0	0	100	0	0	0	0	0
223	Southern Calif Res Inst	98	0	0	0	0	0	0	98	0	0	0	0
224	Archbold Biological Stat	98	0	0	0	0	0	0	0	0	0	98	0
225	Nature Conservancy	98	0	0	0	0	0	0	0	98	0	0	0
226	Ctr for Microelectronics	95	0	0	0	0	0	0	0	0	0	95	0
227	Billings Inter Hp Onclog	94	0	0	0	0	0	0	94	0	0	0	0
228	Rcky Mtn Biol Lab	93	0	0	0	0	0	0	0	0	0	93	0
229	Dolphus E Milgn Sci Rsch	90	0	0	0	0	0	0	90	0	0	0	0
230	Interstudy	89	0	0	0	0	0	0	89	0	0	0	0
Total 1st 230 institutions		1,467,807	5,965	13,370	551,680	16,855	206,327	22,229	512,399	396	45,046	89,052	4,390
231	Mass Health Research Inst	89	0	0	0	0	0	0	89	0	0	0	0
232	Savannah Rvr Ecology Lab	88	0	0	0	0	88	0	0	0	0	0	0
233	Reaf Foundation	87	0	0	0	0	0	0	0	0	0	87	0
234	Integrated Rsch Services	86	0	0	0	0	0	0	86	0	0	0	0
235	Ctr for Amer Archaeology	84	0	0	0	0	0	0	0	0	0	84	0
236	Utah Research Institute	84	0	0	0	0	84	0	0	0	0	0	0
237	Bacra, Inc.	81	0	0	0	0	0	0	81	0	0	0	0
238	The Ctr for Great Lakes	81	0	81	0	0	0	0	0	0	0	0	0
239	Coord Research Council	80	0	0	80	0	0	0	0	0	0	0	0
240	Am Col Nuclear Physicists	77	0	0	0	0	77	0	0	0	0	0	0
Total 1st 240 institutions		1,468,644	5,965	13,451	551,760	16,855	206,576	22,229	512,655	396	45,046	89,223	4,390
241	Society Industrl App M	76	0	0	25	0	0	0	0	0	0	51	0
242	Gulf Shrimp Rch & Dev Fdn	76	0	76	0	0	0	0	0	0	0	0	0
243	Point Reyes Bird Observ	75	0	0	0	0	0	0	0	0	0	75	0
244	Brookings Institution	75	0	0	0	0	0	0	0	0	0	75	0
245	Houston Area Research Ctr	75	0	0	75	0	0	0	0	0	0	0	0
246	Natl Ctr for Health Educ	67	0	0	0	67	0	0	0	0	0	0	0
247	Conservation Fdn	64	0	0	0	0	0	64	0	0	0	0	0
248	Rational Dec Making Dissm	63	0	0	0	63	0	0	0	0	0	0	0
249	Public Technology, Inc	60	0	0	0	0	0	60	0	0	0	0	0
250	Assoc for Symbolic Logic	57	0	0	0	0	0	0	0	0	0	57	0
Total 1st 250 institutions		1,469,332	5,965	13,527	551,860	16,985	206,576	22,353	512,655	396	45,046	89,481	4,390

See explanatory material, if any, and SOURCE, at end of table.

Table B-20. Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
251	Neuropsychiatric Inst	55	0	0	0	0	0	0	55	0	0	0	0
252	ASH International	54	0	54	0	0	0	0	0	0	0	0	0
253	Amer Energy Assur Cncl	52	0	0	0	0	52	0	0	0	0	0	0
254	Inst for Scient Resch Inc	51	0	0	0	0	0	0	0	0	0	51	0
255	Sw Paleontology Fdn I	50	0	0	0	0	0	0	0	0	0	50	0
256	Michigan Molecular Inst	49	0	0	0	0	0	0	0	0	0	49	0
257	SE Ctr Electric Eng E	45	0	0	45	0	0	0	0	0	0	0	0
258	Allince Eng-Med & Biol	30	0	0	0	0	0	0	0	0	0	30	0
259	Inst for Regulatory Sci	30	0	0	0	0	30	0	0	0	0	0	0
260	Maria Mitchell Observ	29	0	0	0	0	0	0	0	0	0	29	0
Total 1st 260 institutions		1,469,777	5,965	13,581	551,905	16,985	206,658	22,353	512,710	494	45,046	89,690	4,390
261	Cancer Res Center	28	0	0	0	0	0	0	28	0	0	0	0
262	ALS Neuro Res Fdn	27	0	0	0	0	0	0	27	0	0	0	0
263	Squibb Institute	25	0	0	0	0	25	0	0	0	0	0	0
264	Edison Welding Institute	24	0	24	0	0	0	0	0	0	0	0	0
265	Committee Economic Dev	20	0	0	0	0	20	0	0	0	0	0	0
266	Combustion Institute	20	0	0	10	0	0	0	0	0	0	10	0
267	Educ Comm/States	20	0	0	0	20	0	0	0	0	0	0	0
268	Assoc Small Bus Dev Ctrs	15	0	15	0	0	0	0	0	0	0	0	0
269	Emergency Care Resch Inst	10	0	0	0	0	0	0	10	0	0	0	0
270	Info Science Res Ins	10	0	0	0	0	0	0	10	0	0	0	0
Total 1st 270 institutions		1,469,976	5,965	13,620	551,915	17,005	206,703	22,353	512,785	494	45,046	89,700	4,390
271	Inst for MN Archaeology	8	0	0	0	0	0	0	0	0	0	8	0
272	Soc for Development Bio	6	0	0	0	0	0	0	0	0	0	6	0
273	Working Women Edu Fund	3	0	0	0	0	0	0	0	0	0	0	3
274	Zweng Mem Retina Resch Ctr	1	0	0	0	0	0	0	1	0	0	0	0
Total 1st 274 institutions		1,469,994	5,965	13,620	551,915	17,005	206,703	22,353	512,786	494	45,046	89,714	4,393

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all institutions		532,343	138	0	1,209	0	1,446	561	506,383	0	1,049	1,557	0
1	Mass General Hospital	66,461	100	0	59	0	299	0	65,916	0	20	67	0
2	Brigham and Women's Hosp	61,715	0	0	0	0	0	432	61,075	0	130	78	0
3	Scripps Clinic & Res Fdn	57,706	0	0	1,045	0	0	0	55,759	0	240	662	0
4	Dana-Farber Cancer Inst	41,687	0	0	0	0	0	0	41,476	0	0	211	0
5	Children's Hospital	27,030	0	0	0	0	8	0	26,845	0	153	24	0
6	N Eng Med Ctr & Hospitals	17,357	0	0	0	0	600	0	16,741	0	0	16	0
7	Beth Israel Hospital	16,155	0	0	0	0	0	0	16,100	0	55	0	0
8	St Jude Child Rech Hosp	12,137	0	0	0	0	0	0	12,137	0	0	0	0
9	Child Hosp of Phila	11,888	0	0	0	0	0	0	11,888	0	0	0	0
10	Cleveland Clinic Fdn	11,078	0	0	0	0	0	0	11,019	0	0	59	0
Total 1st 10 institutions		323,214	100	0	1,104	0	907	432	318,956	0	598	1,117	0
11	Jewish Hosp of St Louis	10,914	0	0	0	0	0	0	10,914	0	0	0	0
12	McLean Hospital	10,759	0	0	0	0	0	0	10,704	0	0	55	0
13	Montefiore Hosp & Med Ctr	9,781	0	0	0	0	0	0	9,781	0	0	0	0
14	Henry Ford Hospital	8,637	0	0	0	0	0	0	8,637	0	0	0	0
15	N Eng Deaconess Hospital	7,678	0	0	0	0	0	0	7,678	0	0	0	0
16	Child Hosp of Los Angeles	7,427	0	0	0	0	0	0	7,427	0	0	0	0
17	Rush Presbytrn/St Lks	7,173	0	0	0	0	0	0	7,080	0	0	93	0
18	Mass Eye & Ear Infirmary	6,659	0	0	0	0	0	0	6,586	0	73	0	0
19	University Hospital	5,937	0	0	0	0	0	0	5,937	0	0	0	0
20	Child Hosp Med Ctr Cincin	5,488	0	0	0	0	80	0	5,408	0	0	0	0
Total 1st 20 institutions		403,667	100	0	1,104	0	907	512	399,108	0	671	1,265	0
21	Cedars-Sinai Med Ctr	5,484	0	0	0	0	0	0	5,484	0	0	0	0
22	North Shore Univ Hosp	4,358	0	0	0	0	0	0	4,358	0	0	0	0
23	Child Hosp of Pittsburgh	3,815	0	0	0	0	0	0	3,815	0	0	0	0
24	Scripps Memorial Hospital	3,675	0	0	0	0	0	0	3,675	0	0	0	0
25	Good Samaritan Hosp&Med C	3,629	0	0	0	0	0	0	3,231	0	271	127	0
26	St Luke's Hospital Center	3,456	0	0	0	0	0	0	3,392	0	0	64	0
27	Roger Williams Gen Hosp	3,375	0	0	0	0	0	0	3,375	0	0	0	0
28	City of Hope Medical Ctr	3,325	0	0	105	0	0	0	3,220	0	0	0	0
29	Hosp for Special Surgery	3,195	0	0	0	0	0	0	3,195	0	0	0	0
30	Memorial Hosp-Pawtucket	3,190	0	0	0	0	0	0	3,190	0	0	0	0
Total 1st 30 institutions		441,169	100	0	1,209	0	907	512	436,043	0	942	1,456	0
31	Long Isl Jewish Hillside	2,858	0	0	0	0	0	0	2,858	0	0	0	0
32	Rhode Island Hospital	2,770	0	0	0	0	0	0	2,770	0	0	0	0
33	John Muir Memorial Hosp	2,465	0	0	0	0	0	0	2,465	0	0	0	0
34	Presbyterian Hosp In NY	2,194	0	0	0	0	0	0	2,194	0	0	0	0
35	Philadelphia Geriatric Ctr	2,118	0	0	0	0	0	0	2,118	0	0	0	0
36	St Joseph's Hosp&Med Ctr	1,998	0	0	0	0	0	0	1,998	0	0	0	0
37	St Elizabeth's Hospital	1,936	0	0	0	0	0	0	1,936	0	0	0	0
38	McIl Reese Hosp & Med Ctr	1,935	0	0	0	0	0	0	1,935	0	0	0	0
39	Child Hosp&Med Ctr N Cal	1,924	0	0	0	0	0	0	1,924	0	0	0	0
40	Hebrew Rehab Center	1,855	0	0	0	0	0	0	1,855	0	0	0	0
Total 1st 40 institutions		463,222	100	0	1,209	0	907	512	458,096	0	942	1,456	0
41	Univeristy Hosps-Clevelnd	1,841	0	0	0	0	0	0	1,841	0	0	0	0
42	Beth Israel Medical Ctr	1,830	0	0	0	0	0	0	1,830	0	0	0	0
43	Miriam Hospital	1,800	0	0	0	0	0	0	1,693	0	107	0	0
44	Child Memorial Hospital	1,721	0	0	0	0	0	0	1,721	0	0	0	0
45	Child Orthopedic Hospital	1,610	0	0	0	0	0	0	1,610	0	0	0	0
46	Burke Rehab Ctr	1,375	0	0	0	0	0	0	1,375	0	0	0	0
47	Graduate Hosp	1,304	0	0	0	0	0	0	1,304	0	0	0	0
48	Women & Infants Hp of	1,281	0	0	0	0	0	0	1,281	0	0	0	0
49	Child Hosp of Columbus	1,271	0	0	0	0	0	0	1,271	0	0	0	0
50	Hosp Joint Dis Ortho	1,256	0	0	0	0	0	0	1,256	0	0	0	0
Total 1st 50 institutions		478,511	100	0	1,209	0	907	512	473,278	0	1,049	1,456	0

See explanatory material, if any, and SOURCE, at end of table.

Table 8-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Mt Sinai Medical Ctr Inc	1,203	0	0	0	0	0	0	1,195	0	0	0	0
52	Providence Med Ctr-Princt	1,136	0	0	0	0	0	0	1,136	0	0	0	0
53	Catholic Med C Brklyn & Qns	1,113	0	0	0	0	0	0	1,113	0	0	0	0
54	Mary Imogene Basset Hosp	1,034	0	0	0	0	0	0	1,034	0	0	0	0
55	Magee Women's Hosp	979	0	0	0	0	0	0	979	0	0	0	0
56	Mt Sinai Hosp Med Ctr Fla	934	0	0	0	0	0	0	934	0	0	0	0
57	Sinai Hospital of Detroit	913	0	0	0	0	0	0	913	0	0	0	0
58	Mt Zion Hosp & Med Ctr	888	0	0	0	0	0	0	888	0	0	0	0
59	Presbytn Univ Penn Med Ctr	782	0	0	0	0	0	0	782	0	0	0	0
60	Pennsylvania Hospital	780	0	0	0	0	0	0	780	0	0	0	0
Total 1st 60 institutions		486,273	100	0	1,209	0	907	512	483,032	0	1,049	1,464	0
61	Evanston Hospital	770	0	0	0	0	0	0	770	0	0	0	0
62	Mt Sinai Hosp-Cleveland	756	0	0	0	0	0	0	756	0	0	0	0
63	Gessinger Medical Center	648	0	0	0	0	0	0	648	0	0	0	0
64	Children's Hosp-St Paul	643	0	0	0	0	0	0	643	0	0	0	0
65	Montefiore Hospital	612	0	0	0	0	0	0	612	0	0	0	0
66	Children's Marcy Hp-K	581	0	0	0	0	0	0	581	0	0	0	0
67	Butler Hospital	541	0	0	0	0	0	0	541	0	0	0	0
68	Child Asthma Resch Inst	530	0	0	0	0	0	0	530	0	0	0	0
69	Children's Hospital	526	0	0	0	0	0	0	526	0	0	0	0
70	Good Samaritan Hospital	498	0	0	0	0	498	0	0	0	0	0	0
Total 1st 70 institutions		494,378	100	0	1,209	0	1,405	512	488,639	0	1,049	1,464	0
71	Bronx-Lebanon Hospital Ct	460	0	0	0	0	0	0	460	0	0	0	0
72	Child Hosp & Mth Cntr	458	0	0	0	0	0	0	458	0	0	0	0
73	Pacific Med Ctr	443	0	0	0	0	0	0	443	0	0	0	0
74	Child Hosp of Michigan	433	0	0	0	0	0	0	433	0	0	0	0
75	Wills Eye Hospital	391	0	0	0	0	0	0	391	0	0	0	0
76	Swedish Hospital Med Ctr	381	0	0	0	0	0	0	381	0	0	0	0
77	Memorial Hosp & Med Ctr	358	0	0	0	0	0	0	358	0	0	0	0
78	William Beaumont Hospital	348	0	0	0	0	0	0	348	0	0	0	0
79	Northwestern Mem Hospital	348	0	0	0	0	0	0	348	0	0	0	0
80	Amer Cancer Resch Ctr Hosp	346	0	0	0	0	0	0	346	0	0	0	0
Total 1st 80 institutions		498,344	100	0	1,209	0	1,405	512	492,605	0	1,049	1,464	0
81	Baptist Med Ctr-Princt	327	0	0	0	0	0	0	327	0	0	0	0
82	St Francis Hosp & Med	315	0	0	0	0	0	0	315	0	0	0	0
83	St Francis Hosp/Wich	294	0	0	0	0	0	0	294	0	0	0	0
84	Brookdale Hospital Center	285	0	0	0	0	0	0	285	0	0	0	0
85	Scott and White Mem Hosp	272	0	0	0	0	0	0	272	0	0	0	0
86	Albert Einstein Med Ctr	270	0	0	0	0	0	0	270	0	0	0	0
87	Carrier Clinic Fdn	241	0	0	0	0	0	0	241	0	0	0	0
88	Beth Israel Hospital(NJ)	220	0	0	0	0	0	0	220	0	0	0	0
89	St Luke's Hosp-Fargo	212	0	0	0	0	0	0	212	0	0	0	0
90	Carle Foundation Hosp	206	0	0	0	0	0	0	118	0	0	88	0
Total 1st 90 institutions		500,986	100	0	1,209	0	1,405	512	495,159	0	1,049	1,552	0
91	Methodist Hosp of Indiana	204	0	0	0	0	0	0	204	0	0	0	0
92	Western PA Hospital	200	0	0	0	0	0	0	200	0	0	0	0
93	Kettering Medical Center	189	0	0	0	0	0	0	189	0	0	0	0
94	Methodist Hospital-Peoria	186	0	0	0	0	0	0	186	0	0	0	0
95	Blodgett Memorial Med Ctr	184	0	0	0	0	0	0	184	0	0	0	0
96	Florida Hospital	178	0	0	0	0	0	0	178	0	0	0	0
97	Winthrop Univ Hosp	177	0	0	0	0	0	0	177	0	0	0	0
98	Washington Hosp Ctr	176	0	0	0	0	0	0	176	0	0	0	0
99	Beverly Hospital	165	0	0	0	0	0	0	165	0	0	0	0
100	Lahey Clinic Fdn	164	0	0	0	0	0	0	164	0	0	0	0
Total 1st 100 institutions		502,809	100	0	1,209	0	1,405	512	496,982	0	1,049	1,552	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	Baptist Med Ctr	163	0	0	0	0	0	0	163	0	0	0	0
102	Butterworth Hospital	160	0	0	0	0	0	0	160	0	0	0	0
103	Medical Center Delaware	155	0	0	0	0	0	0	155	0	0	0	0
104	Lankenau Hospital	155	0	0	0	0	0	0	155	0	0	0	0
105	Manhattan Eye/Ear/Throat	147	0	0	0	0	0	0	147	0	0	0	0
106	Penrose Hospital	145	0	0	0	0	0	0	145	0	0	0	0
107	St Johns Mercy Med C	145	0	0	0	0	0	0	145	0	0	0	0
108	St Vincent Med Ctr	140	0	0	0	0	0	0	140	0	0	0	0
109	Ingalls Mem Hospital	138	0	0	0	0	0	0	138	0	0	0	0
110	Faulkner Hospital	135	0	0	0	0	0	0	135	0	0	0	0
Total 1st 110 institutions		504,292	100	0	1,209	0	1,405	512	498,465	0	1,049	1,552	0
111	Eye & Ear Hosp - Pittsburgh	124	0	0	0	0	0	0	124	0	0	0	0
112	Good Samaritan Med Ctr	118	0	0	0	0	0	0	118	0	0	0	0
113	Child Hosp-Palo Alto	118	0	0	0	0	0	0	118	0	0	0	0
114	St. Joseph Hospital	117	0	0	0	0	0	0	117	0	0	0	0
115	Touro Research Institute	117	0	0	0	0	0	0	117	0	0	0	0
116	Hackensack Hosp	116	0	0	0	0	0	0	116	0	0	0	0
117	Merritt-Parvate Hospital	114	0	0	0	0	0	0	114	0	0	0	0
118	Cedars Medical Center	109	0	0	0	0	0	0	109	0	0	0	0
119	Our Lady of Mercy Med Ctr	108	38	0	0	0	0	0	70	0	0	0	0
120	Sutter Cmty Hosp-Scm	108	0	0	0	0	0	0	108	0	0	0	0
Total 1st 120 institutions		505,441	138	0	1,209	0	1,405	512	499,576	0	1,049	1,552	0
121	St Francis Hosp	108	0	0	0	0	0	0	108	0	0	0	0
122	St. Luke's Hosp Milwaukee	106	0	0	0	0	0	0	106	0	0	0	0
123	Borgess Med Center	105	0	0	0	0	0	0	105	0	0	0	0
124	Rutland Regional Med Ctr	105	0	0	0	0	0	0	105	0	0	0	0
125	Lester E. Cox Med C	104	0	0	0	0	0	0	104	0	0	0	0
126	Eastern Maine Med Ctr	101	0	0	0	0	0	0	101	0	0	0	0
127	Comm Hosp Indianapolis	100	0	0	0	0	0	0	100	0	0	0	0
128	Our Lady of Lourdes Hosp	99	0	0	0	0	0	0	99	0	0	0	0
129	Latter-Day Saints Hosp	99	0	0	0	0	0	0	99	0	0	0	0
130	Mount Sinai Hospital	98	0	0	0	0	0	0	98	0	0	0	0
Total 1st 130 institutions		506,466	138	0	1,209	0	1,405	512	500,601	0	1,049	1,552	0
131	St Joseph's Hosp-Atln	94	0	0	0	0	0	0	94	0	0	0	0
132	Mercy Catholic Med Ctr	94	0	0	0	0	0	0	94	0	0	0	0
133	Kaiser Foundation Hosp	89	0	0	0	0	0	0	89	0	0	0	0
134	Genesee Hospital	87	0	0	0	0	0	0	87	0	0	0	0
135	Overlook Hospital	85	0	0	0	0	0	0	85	0	0	0	0
136	Decatur Mem Hospital	85	0	0	0	0	0	0	85	0	0	0	0
137	Hartford Hospital	83	0	0	0	0	0	0	83	0	0	0	0
138	Meimondes Medical Center	83	0	0	0	0	0	0	83	0	0	0	0
139	Kapiolani Child Med Ctr	75	0	0	0	0	0	0	75	0	0	0	0
140	Santa Rosa Med Ctr	70	0	0	0	0	0	0	70	0	0	0	0
Total 1st 140 institutions		507,311	138	0	1,209	0	1,405	512	501,446	0	1,049	1,552	0
141	Mercy Hospital & Med Ctr	69	0	0	0	0	0	0	69	0	0	0	0
142	Union Memorial Hospital	69	0	0	0	0	0	0	69	0	0	0	0
143	Moss Rehabilitation Hosp	68	0	0	0	0	0	0	68	0	0	0	0
144	Holy Cross Hosp	63	0	0	0	0	0	0	63	0	0	0	0
145	Sinai Hospital of Balto	62	0	0	0	0	0	0	62	0	0	0	0
146	Bay State Medical Center	61	0	0	0	0	0	0	61	0	0	0	0
147	Rapid City Regional Hosp	56	0	0	0	0	0	0	56	0	0	0	0
148	Grady General Hosp	50	0	0	0	0	0	0	50	0	0	0	0
149	Montgomery Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
150	Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Total 1st 150 institutions		507,909	138	0	1,209	0	1,405	512	502,044	0	1,049	1,552	0

See explanatory material, if any, and SOURCE, at end of table.

Table 8-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Hopkinton Comm Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
152	Cnty Hosp - McCook	50	0	0	0	0	0	0	50	0	0	0	0
153	Troy Community Hospital	50	0	0	0	0	0	0	50	0	0	0	0
154	Sioux Valley Hospital	50	0	0	0	0	0	0	50	0	0	0	0
155	McKenzie Co Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
156	Burgess Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
157	Hill Country Memorial Hsp	50	0	0	0	0	0	0	50	0	0	0	0
158	Castaner General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
159	Community Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
160	S Cameron Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Total list 160 institutions		508,409	138	0	1,209	0	1,405	512	502,544	0	1,049	1,552	0
161	Charles A Dean Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
162	Francis Bell Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
163	Garber Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
164	Helena Hospital	50	0	0	0	0	0	0	50	0	0	0	0
165	R.J. Taylor Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
166	Carson City Hosp	50	0	0	0	0	0	0	50	0	0	0	0
167	Fairmont Cnty Hosp	50	0	0	0	0	0	0	50	0	0	0	0
168	Holy Trinity Hosp	50	0	0	0	0	0	0	50	0	0	0	0
169	HW Valley Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
170	Gritman Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Total list 170 institutions		508,909	138	0	1,209	0	1,405	512	503,044	0	1,049	1,552	0
171	Holokai General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
172	Blackwell Gen Hosp	50	0	0	0	0	0	0	50	0	0	0	0
173	Flagstaff Med Ctr	50	0	0	0	0	0	0	50	0	0	0	0
174	Central Valley Hospital	50	0	0	0	0	0	0	50	0	0	0	0
175	Prairie Du Chien Hosp	50	0	0	0	0	0	0	50	0	0	0	0
176	Mem Hosp Hallsville	50	0	0	0	0	0	0	50	0	0	0	0
177	Apple River Valley Mem Hos	50	0	0	0	0	0	0	50	0	0	0	0
178	Roane General Hosp	50	0	0	0	0	0	0	50	0	0	0	0
179	Broadus Hospital	50	0	0	0	0	0	0	50	0	0	0	0
180	Tri-State Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Total list 180 institutions		509,409	138	0	1,209	0	1,405	512	503,544	0	1,049	1,552	0
181	Okanogan-Douglas Co H	50	0	0	0	0	0	0	50	0	0	0	0
182	Southampton Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
183	Comm Mem Hosp - Hattinger	50	0	0	0	0	0	0	50	0	0	0	0
184	Holy Infant Hosp	50	0	0	0	0	0	0	50	0	0	0	0
185	Allegheny Co Mem H	50	0	0	0	0	0	0	50	0	0	0	0
186	Our Lady of the Way Hosp	50	0	0	0	0	0	0	50	0	0	0	0
187	Byerly Hospital	50	0	0	0	0	0	0	50	0	0	0	0
188	Barnes-Kasson Co Hosp	50	0	0	0	0	0	0	50	0	0	0	0
189	St Anthony Hospital	50	0	0	0	0	0	0	50	0	0	0	0
190	Highland Hosp-Rochester	50	0	0	0	0	0	0	50	0	0	0	0
Total list 190 institutions		509,909	138	0	1,209	0	1,405	512	504,044	0	1,049	1,552	0
191	Griggs County Hospital	50	0	0	0	0	0	0	50	0	0	0	0
192	Blowing Rock Hospital	50	0	0	0	0	0	0	50	0	0	0	0
193	Creek Nation Cnty Hosp	50	0	0	0	0	0	0	50	0	0	0	0
194	Defiance Hospital	50	0	0	0	0	0	0	50	0	0	0	0
195	St. Josephs Hosp-Dickins	50	0	0	0	0	0	0	50	0	0	0	0
196	Okarche Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
197	Jefferson Co Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
198	Charles Cole Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
199	Asha Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
200	Cottage Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Total list 200 institutions		510,409	138	0	1,209	0	1,405	512	504,544	0	1,049	1,552	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
201	Adams Cnty Mem Hosp & Nrs	50	0	0	0	0	0	0	50	0	0	0	0
202	Soldiers & Sailors	50	0	0	0	0	0	0	50	0	0	0	0
203	Memorial Hosp - Boacabal	50	0	0	0	0	0	0	50	0	0	0	0
204	Tri-County Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
205	Cuba Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
206	Memorial Hosp - Iowa Cnty	50	0	0	0	0	0	0	50	0	0	0	0
207	Beatrice Comm Hosp&Health	50	0	0	0	0	0	0	50	0	0	0	0
208	Marcus Daly Mem Hosp	50	0	0	0	0	0	0	50	0	0	0	0
209	Mercy Hospital - Grayling	50	0	0	0	0	0	0	50	0	0	0	0
210	Pambina County Mem Hospit	50	0	0	0	0	0	0	50	0	0	0	0
Total 1st 210 institutions		510,909	138	0	1,209	0	1,405	512	505,044	0	1,049	1,552	0
211	Mercy Hospital Williston	50	0	0	0	0	0	0	50	0	0	0	0
212	Community Mem Hosp Winona	50	0	0	0	0	0	0	50	0	0	0	0
213	Cook County N Shore Hosp	50	0	0	0	0	0	0	50	0	0	0	0
214	Kittson Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
215	St Pater's Community Hosp	50	0	0	0	0	0	0	50	0	0	0	0
216	Paris Community Hosp	49	0	0	0	0	0	0	49	0	0	0	0
217	Goodall Witcher Hospital	49	0	0	0	0	0	0	49	0	0	0	0
218	San Francisco General Hsp	49	0	0	0	0	0	49	0	0	0	0	0
219	Gibson Community Hosp	49	0	0	0	0	0	0	49	0	0	0	0
220	Teton Medical Center	48	0	0	0	0	0	0	48	0	0	0	0
Total 1st 220 institutions		511,403	138	0	1,209	0	1,405	561	505,489	0	1,049	1,552	0
221	St Luke's Hosp-United Met	48	0	0	0	0	0	0	48	0	0	0	0
222	St. Mary's Hosp - Sparta	48	0	0	0	0	0	0	48	0	0	0	0
223	St. Josephs Hosp Arcadia	48	0	0	0	0	0	0	48	0	0	0	0
224	Eagle Lake Cnty Hosp	47	0	0	0	0	0	0	47	0	0	0	0
225	Navapache Hospital	46	0	0	0	0	0	0	46	0	0	0	0
226	Community Hosp-McVillie	46	0	0	0	0	0	0	46	0	0	0	0
227	St Vincent Hospital	43	0	0	0	0	0	0	43	0	0	0	0
228	Roanoke Mem Hosps	43	0	0	0	0	0	0	43	0	0	0	0
229	St Mary's Hospital	41	0	0	0	0	41	0	0	0	0	0	0
230	St Joseph Hosp, Houston	40	0	0	0	0	0	0	40	0	0	0	0
Total 1st 230 institutions		511,853	138	0	1,209	0	1,446	561	505,899	0	1,049	1,552	0
231	Paul Oliver Memorial Hosp	38	0	0	0	0	0	0	38	0	0	0	0
232	Methodist Hospital	38	0	0	0	0	0	0	38	0	0	0	0
233	Copley Hospital	34	0	0	0	0	0	0	34	0	0	0	0
234	St. Joseph Comm Hosp	30	0	0	0	0	0	0	30	0	0	0	0
235	St Vincent's Hosp&Med Ctr	30	0	0	0	0	0	0	30	0	0	0	0
236	McKenzie Mem Hosp	30	0	0	0	0	0	0	30	0	0	0	0
237	Marquette Cnty Hosp	30	0	0	0	0	0	0	30	0	0	0	0
238	Charlevoix Hospital	28	0	0	0	0	0	0	28	0	0	0	0
239	Phillips County Hospital	27	0	0	0	0	0	0	27	0	0	0	0
240	Hans P Peterson Mem H	22	0	0	0	0	0	0	22	0	0	0	0
Total 1st 240 institutions		512,160	138	0	1,209	0	1,446	561	506,205	0	1,049	1,552	0
241	Alta Bates Hospital	21	0	0	0	0	0	0	21	0	0	0	0
242	Goshen Co Mem Hosp	20	0	0	0	0	0	0	20	0	0	0	0
243	Baptist Hospital Winner	16	0	0	0	0	0	0	16	0	0	0	0
244	Memorial Hosp-Worcester	16	0	0	0	0	0	0	16	0	0	0	0
245	Mountain View Distrct Hosp	15	0	0	0	0	0	0	15	0	0	0	0
246	Danbury Hosp	15	0	0	0	0	0	0	15	0	0	0	0
247	Osceola Comm Hospital	13	0	0	0	0	0	0	13	0	0	0	0
248	Socorro General Hospital	10	0	0	0	0	0	0	10	0	0	0	0
249	Gregory Community Hosp	10	0	0	0	0	0	0	10	0	0	0	0
250	St. Benedict Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Total 1st 250 institutions		512,302	138	0	1,209	0	1,446	561	506,347	0	1,049	1,552	0

See explanatory material, if any, and SOURCE, at end of table.

Table B-21. Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
251	Pioneer Memorial Hospital	6	0	0	0	0	0	0	6	0	0	0	0
252	Landmann Jungman Mem Hosp	6	0	0	0	0	0	0	6	0	0	0	0
253	St. Michael's Hospital	6	0	0	0	0	0	0	6	0	0	0	0
254	Dakota Hospital	6	0	0	0	0	0	0	6	0	0	0	0
255	Fraeman Community Hosp	6	0	0	0	0	0	0	6	0	0	0	0
256	Wagner Comm Memorial Hosp	6	0	0	0	0	0	0	6	0	0	0	0
257	Rancho Los Amigos Hosp	5	0	0	0	0	0	0	0	0	0	5	0
Total 1st 257 institutions		512,343	138	0	1,209	0	1,446	561	506,383	0	1,049	1,557	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

(Dollars in thousands)

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	300,414	2,842	4,613	26,584	6,294	47,198	5,349	77,378	432	52,497	54,204	23,023
1	Nat'l Academy of Sciences	54,457	55	470	11,002	0	20,528	748	759	263	10,903	8,914	815
2	Mayo Foundation	37,521	0	0	2,832	0	0	0	34,645	0	0	44	0
3	Assn Univs Resch & Astron	31,672	0	0	0	0	0	0	0	0	31,672	0	0
4	Assn of American Railrds	11,507	0	0	0	0	0	0	0	0	0	0	11,507
5	Natl Jewish Ctr Immunolog	10,284	0	0	0	0	0	0	10,284	0	0	0	0
6	American Iron & Steel Ins	9,254	0	0	0	0	9,254	0	0	0	0	0	0
7	Inst of Gas Technology	8,921	0	0	140	0	8,511	270	0	0	0	0	0
8	Universities Space Resch	8,447	0	0	508	0	0	0	0	0	7,939	0	0
9	South East Consortium	5,600	0	0	0	0	0	0	0	0	0	0	5,600
10	Sttheastn Ctr Elec Eng Ed	5,261	0	0	5,261	0	0	0	0	0	0	0	0
	Total 1st 10 institutions	182,924	55	470	19,743	0	38,293	1,018	45,688	263	50,514	8,958	17,922
11	Amer Society-Engr Educ	5,050	0	0	4,784	0	0	0	0	0	50	216	0
12	Joslin Diabetes Fdn Inc	4,829	0	0	0	0	0	0	4,759	0	0	70	0
13	Natl Sci Teachers Assoc	3,632	0	0	0	471	0	0	0	0	685	2,476	0
14	Carnegie Inst of Wash	3,580	0	0	0	0	0	0	1,750	0	234	1,596	0
15	Milwaukee Blood Center	3,331	0	0	0	0	0	0	3,331	0	0	0	0
16	New York Blood Center	3,095	0	0	105	0	0	0	2,990	0	0	0	0
17	Hanford Occ Hlth Found	3,035	0	0	0	0	3,035	0	0	0	0	0	0
18	Jay David Gladstone Fdn	2,896	0	0	0	0	0	0	2,896	0	0	0	0
19	John B Pierce Fdn of Conn	2,750	0	0	150	0	0	18	2,582	0	0	0	0
20	Population Council	2,335	0	0	0	0	0	0	2,335	0	0	0	0
	Total 1st 20 institutions	217,457	55	470	24,782	471	41,328	1,036	66,331	263	51,483	13,316	17,922
21	Consortium Intl Dev	2,236	0	0	0	0	0	0	0	0	0	0	2,236
22	Issaquah Hlth Res Inst	2,160	0	0	0	0	0	0	2,160	0	0	0	0
23	No Cntl Reg Educatnl Lab	2,099	0	0	0	2,099	0	0	0	0	0	0	0
24	Amer Type Culture Coll	2,028	0	0	0	0	84	0	1,939	0	0	5	0
25	Assoc Westrn Univ, Inc	2,004	0	0	0	0	2,004	0	0	0	0	0	0
26	The Regnl Lab Ed Improve	1,996	0	0	0	1,996	0	0	0	0	0	0	0
27	Biol Sci Curriculum Stdy Co	1,705	0	0	0	0	0	0	0	0	1,705	0	0
28	Puget Sound Blood Center	1,605	0	0	0	0	0	0	1,605	0	0	0	0
29	National Governor's Assoc	1,579	0	0	0	108	0	1,471	0	0	0	0	0
30	Assoc Univ Prog Public	1,427	0	0	0	0	0	0	0	0	0	0	1,427
	Total 1st 30 institutions	236,296	55	470	24,782	4,674	43,416	2,507	72,035	263	51,483	15,026	21,585
31	New York Botanical Garden	1,329	4	0	0	0	49	0	0	0	0	1,276	0
32	Emma Pendleton Brdly	1,310	0	0	0	0	0	0	1,310	0	0	0	0
33	Field Museum Natural Hist	1,297	0	0	0	0	0	0	0	0	15	1,282	0
34	Amer Dental Assoc Hlth	1,291	0	0	0	0	0	0	1,291	0	0	0	0
35	Amer Acad of Arts & Sci	1,284	0	0	0	0	0	0	0	0	0	1,284	0
36	American Chemical Society	1,225	15	0	13	0	229	0	0	0	0	968	0
37	Amer Statistical Assoc	1,090	0	0	0	0	40	70	0	0	0	980	0
38	Amer Assoc-Advancmnt Sci	1,074	0	0	0	0	0	0	0	0	0	1,074	0
39	Assoc of Science-Tech Cnt	1,063	0	0	0	0	0	0	0	0	0	1,063	0
40	LA Cty Museum of Nat Hist	1,035	0	0	0	0	0	0	0	0	0	1,035	0
	Total 1st 40 institutions	248,294	74	470	24,795	4,674	43,734	2,577	74,636	263	51,498	23,988	21,585
41	Educational Testing Srvc	1,021	0	0	182	0	0	0	0	0	0	639	200
42	Missouri Botanical Garden	1,002	0	0	0	0	0	0	133	0	0	869	0
43	Spring & Groundwater Inst	981	981	0	0	0	0	0	0	0	0	0	0
44	Amer Indian Sci&Eng Soc	967	0	0	0	0	0	0	0	0	30	937	0
45	Hawaii Sugar Planters Ass	966	966	0	0	0	0	0	0	0	0	0	0
46	Nebraskans for Pub Tel In	903	0	0	0	0	0	0	0	0	0	903	0
47	Societal Inst of Math Sci	871	0	0	0	0	0	186	623	0	0	62	0
48	Paths/Prism	855	0	0	0	0	0	0	0	0	0	855	0
49	ETV Endowment of S C	794	0	0	0	0	0	0	0	0	0	794	0
50	Museum of Science	789	0	0	0	0	0	0	0	0	0	789	0
	Total 1st 50 institutions	257,443	2,021	470	24,977	4,674	43,734	2,763	75,392	263	51,528	29,836	21,785

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Amer Inst of Physics	781	0	0	0	0	40	0	0	0	0	741	0
52	Environmental Law Inst	755	0	0	0	0	0	755	0	0	0	0	0
53	Harbor Branch Ocea Inst	747	0	0	25	0	0	0	353	0	0	369	0
54	Houston Museum of Nat Sci	734	0	0	0	0	0	0	0	0	0	734	0
55	Nat Fisheries Edu/Rsch Fd	723	0	723	0	0	0	0	0	0	0	0	0
56	Wisc Acad of Sci Arts	679	0	0	0	0	0	0	0	0	0	679	0
57	Council of St Sci Superv	666	0	0	0	0	0	0	0	0	0	666	0
58	Amer Mathematical Society	651	0	0	0	0	0	0	0	0	0	651	0
59	QED Communications, Inc.	650	0	0	0	0	0	0	0	0	0	650	0
60	N Y Zoological Society	643	0	0	0	0	0	0	0	0	0	643	0
Total 1st 60 institutions		264,472	2,021	1,193	25,002	4,674	43,774	3,518	75,745	263	51,528	34,969	21,785
61	Amer Museum of Natl Hist	641	0	0	0	0	0	0	0	0	95	546	0
62	Life Lab Sci Prog	632	0	0	0	0	0	0	0	0	0	632	0
63	Science Museum Minnesota	564	0	0	0	0	0	0	0	0	0	564	0
64	Alton Ochsner Med Fdn	563	0	0	0	0	0	0	563	0	0	0	0
65	Conn Bus&Indust Associati	550	0	0	0	0	0	0	0	0	0	550	0
66	US Space Foundation	549	0	0	0	0	0	0	0	0	0	549	0
67	Thames Science Center	536	0	0	0	0	0	0	0	0	0	536	0
68	Displaced Homemakers Nwk	500	0	0	0	0	0	0	0	0	0	0	500
69	Cncl of Great Lakes Govrn	500	0	0	0	0	500	0	0	0	0	0	0
70	Michigan Biotech Inst	483	0	0	0	0	483	0	0	0	0	0	0
Total 1st 70 institutions		269,990	2,021	1,193	25,002	4,674	44,757	3,518	76,308	263	51,623	38,346	22,285
71	Bernice P Bishop Museum	479	0	0	0	0	0	0	0	0	0	479	0
72	American Farmland Trust	473	473	0	0	0	0	0	0	0	0	0	0
73	Acad Natural Sci of Phil	462	0	0	0	0	0	59	0	0	0	403	0
74	St Louis Science Center	462	0	0	0	0	0	0	0	0	0	462	0
75	San Barb Museum Nat H	457	0	179	0	0	0	0	0	0	0	278	0
76	Natl Gardening Assoc	453	0	0	0	0	0	0	0	0	0	453	0
77	The Exploratorium	448	0	0	0	0	0	0	0	0	0	448	0
78	New England Aquarium Corp	446	0	0	0	0	0	80	0	0	0	366	0
79	Friends of Fermilab Assc	444	0	0	0	0	0	0	0	0	0	444	0
80	Natl Acad Public Admin	442	0	0	0	0	0	0	0	0	442	0	0
Total 1st 80 institutions		274,556	2,494	1,372	25,002	4,674	44,757	3,657	76,308	263	52,065	41,679	22,285
81	Int'l City Mngmnt Assoc	440	0	0	0	0	0	440	0	0	0	0	0
82	World Resources Institute	431	0	0	0	0	0	280	0	0	0	151	0
83	Marine Environ Sci Consor	420	0	420	0	0	0	0	0	0	0	0	0
84	Gulf & S Atl Fish Dev Fdn	420	0	420	0	0	0	0	0	0	0	0	0
85	Pacific Fishery Dev Fds	411	0	411	0	0	0	0	0	0	0	0	0
86	Oregon Museum Sci Indstry	411	0	0	0	0	0	0	0	0	0	411	0
87	Society for History Tech	396	0	0	0	0	0	0	0	0	0	396	0
88	Marine Resources Devel Fd	395	0	395	0	0	0	0	0	0	0	0	0
89	W Wilson Natl Fellowship	382	0	0	0	0	0	0	0	0	0	382	0
90	The Cleveland Educ Fund	377	0	0	0	0	0	0	0	0	0	377	0
Total 1st 90 institutions		278,639	2,494	3,018	25,002	4,674	44,757	4,377	76,308	263	52,065	43,396	22,285
91	Am Printing Hs Blind	361	0	0	0	361	0	0	0	0	0	0	0
92	Academy for Educ Devel	355	0	0	0	0	0	0	0	0	0	0	355
93	Dosecc, Inc	351	0	0	0	0	0	0	0	0	0	0	0
94	Alaska Eskimo Whale Comm	330	0	330	0	0	0	0	0	0	0	0	0
95	Sea Education Association	329	0	0	0	0	0	0	0	0	0	329	0
96	Huntsville/Madison C C C	318	0	0	0	0	0	0	0	0	0	318	0
97	Kaiser Foundation	312	0	0	0	0	0	0	312	0	0	0	0
98	Soc Sci Ed Consort Inc	306	0	0	0	0	0	0	0	0	0	306	0
99	American Foundrymen Soc	305	0	0	0	0	305	0	0	0	0	0	0
100	UIPC Research Foundation	302	0	0	0	0	110	192	0	0	0	0	0
Total 1st 100 institutions		281,908	2,494	3,348	25,002	5,035	45,172	4,569	76,620	263	52,065	44,700	22,640

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	WGBH Educational Fdn	300	0	0	0	0	0	0	0	0	0	300	0
102	Rural Enterprises	296	0	0	0	0	296	0	0	0	0	0	0
103	Fdn Employment & Disability	295	0	0	0	0	0	0	0	0	0	295	0
104	Natl Cncl Rad Prot & Meas	283	0	0	0	0	203	10	0	0	70	0	0
105	Manning Foundation	275	0	0	0	0	0	0	275	0	0	0	0
106	Women's Action Alliance	271	0	0	0	0	0	0	0	0	0	271	0
107	Univ Assoc Resch/Ed - Path	263	0	0	0	0	0	0	263	0	0	0	0
108	American Geophysical Union	253	0	0	0	0	0	0	0	0	33	220	0
109	Amer Assn Col Teacher	252	0	0	0	252	0	0	0	0	0	0	0
110	Recording for the Blind	245	0	0	0	0	0	0	0	0	0	245	0
Total 1st 110 institutions		284,641	2,494	3,348	25,002	5,287	45,671	4,579	77,158	263	52,168	46,031	22,640
111	Ohio's Ctr Sci & Industry	243	0	0	0	0	0	0	0	0	0	243	0
112	Council for Basic Educ	239	0	0	0	0	0	0	0	0	0	239	0
113	Gordon Resch Conferences	235	26	0	0	0	13	0	0	0	0	196	0
114	National Public Radio	231	0	0	0	0	0	0	0	0	0	231	0
115	Electric Power Research	228	0	0	0	0	228	0	0	0	0	0	0
116	Network Innov Schools	227	0	0	0	0	0	0	0	0	0	227	0
117	Central Inst for the Deaf	215	0	0	115	0	0	0	0	0	100	0	0
118	Soc of Env Toxicology	215	0	0	215	0	0	0	0	0	0	0	0
119	Gulf States Marine Fish	208	0	208	0	0	0	0	0	0	0	0	0
120	Inst of Elec Engrs Inc	202	0	0	170	0	0	0	0	0	0	32	0
Total 1st 120 institutions		286,884	2,520	3,556	25,502	5,287	45,912	4,579	77,158	263	52,268	47,199	22,640
121	Educational Film Center	200	0	0	0	0	0	0	0	0	0	200	0
122	National Geothermal Assoc	190	0	0	0	0	190	0	0	0	0	0	0
123	Math Assoc of America	189	0	0	0	0	0	0	0	0	0	189	0
124	Texas Learning Tech Group	189	0	0	0	0	0	0	0	0	0	189	0
125	Natl Cncl Tchrs of Math	187	0	0	0	0	0	0	0	0	0	187	0
126	United Engineering Trusts	174	0	0	130	0	0	0	0	0	0	44	0
127	NY Academy of Science	170	0	0	5	0	0	0	0	0	0	165	0
128	Iowa Oncology Resch Assn	168	0	0	0	0	0	0	168	0	0	0	0
129	Kalamazoo Area Math & Sci	166	0	0	0	0	0	0	0	0	0	166	0
130	Flowers with Care	159	0	0	0	159	0	0	0	0	0	0	0
Total 1st 130 institutions		288,676	2,520	3,556	25,637	5,446	46,102	4,579	77,326	263	52,268	48,339	22,640
131	Gas Cooled Reactor Assoc	155	0	0	0	0	155	0	0	0	0	0	0
132	Educ and Resources Group	154	0	0	0	0	0	0	0	0	0	154	0
133	CO Parnter Educatl Renewl	150	0	0	0	150	0	0	0	0	0	0	0
134	Jr Eng Technical Soc.	150	0	0	150	0	0	0	0	0	0	0	0
135	Kariotis & Associates	148	0	0	0	0	0	0	0	0	0	148	0
136	Portland Cement Assoc	147	0	147	0	0	0	0	0	0	0	0	0
137	NJ Bus Sci Ed Consortium	146	0	0	0	0	0	0	0	0	0	146	0
138	Childrens Museum Boston	142	0	0	0	0	0	0	0	0	0	142	0
139	West Interst Comm High Ed	142	0	0	0	0	0	0	0	0	0	142	0
140	Natl Soc of Professl Eng	141	0	131	0	0	0	0	0	0	0	10	0
Total 1st 140 institutions		290,151	2,520	3,834	25,787	5,596	46,257	4,579	77,326	263	52,268	49,081	22,640
141	Brooklyn Childrens Museum	138	0	0	0	0	0	0	0	0	0	138	0
142	Museum of Northern Ariz	138	0	0	0	0	0	0	0	14	0	124	0
143	National Urban League	137	0	0	0	0	0	0	0	0	0	136	1
144	Energy Task Force Mgt Co	135	0	0	0	0	135	0	0	0	0	0	0
145	Seafld Con Ctr Inc.	135	0	135	0	0	0	0	0	0	0	0	0
146	Ohio Acad of Science	135	0	0	0	0	0	0	0	0	0	135	0
147	Natl Assc Biology Teacher	135	0	0	0	0	0	0	0	0	0	135	0
148	American Bar Foundation	132	0	0	0	0	0	0	0	0	0	132	0
149	Pacific Science Ctr Fdn	131	0	0	0	0	0	0	0	0	0	131	0
150	Illinois State Museum	129	0	0	0	0	0	0	0	0	0	129	0
Total 1st 150 institutions		291,496	2,520	3,969	25,787	5,596	46,392	4,579	77,326	277	52,268	50,141	22,641

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOU	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Ann Arbor Hands-On Museum	128	0	0	0	0	0	0	0	0	0	128	0
152	Geological Soc of America	125	0	0	0	0	0	0	0	0	0	125	0
153	Amer Physical Soc	123	0	0	0	0	0	0	0	0	0	123	0
154	Amer Soc of Civil Eng	121	0	0	0	0	0	0	0	0	0	121	0
155	Cncl for Retarded Citizen	121	0	0	0	0	0	0	0	0	0	121	0
156	National Geographic Soc	119	0	0	0	119	0	0	0	0	0	0	0
157	High/Scope Ed Res Fdn	115	0	0	115	0	0	0	0	0	0	0	0
158	Diocese of Fargo	113	0	0	0	113	0	0	0	0	0	0	0
159	Calif Academy of Sciences	113	0	0	0	0	0	0	0	0	0	113	0
160	Southeastern Fish Assoc	111	0	111	0	0	0	0	0	0	0	0	0
Total 1st 160 institutions		292,685	2,520	4,080	25,902	5,828	46,392	4,579	77,326	277	52,268	50,872	22,641
161	League of Women Voters	110	0	0	0	0	0	85	0	0	0	0	25
162	Pacific Marine Fishery Co	110	0	110	0	0	0	0	0	0	0	0	0
163	Cincinnati Museum Nat His	108	0	0	0	0	0	0	0	106	0	108	0
164	California Arboretum Fdn	106	0	0	0	0	0	0	0	0	0	0	0
165	Helicon Foundation	105	0	0	105	0	0	0	0	0	0	0	0
166	Natl Cons Grad Eng Min	105	0	0	0	0	0	0	0	0	105	0	0
167	Amer National Red Cross	104	0	0	104	0	0	0	0	0	0	104	0
168	Universities Res Assoc	104	0	0	0	0	0	0	0	0	0	0	0
169	Natl Assc Home Builders	100	0	0	0	0	100	0	0	0	0	0	0
170	Amer Electroplaters Soc	100	0	0	0	0	100	0	0	0	0	0	0
Total 1st 170 institutions		293,737	2,520	4,190	26,111	5,828	46,392	4,864	77,326	383	52,373	51,084	22,666
171	Hands-on-Sci Outreach	100	0	0	0	0	0	0	0	0	0	100	0
172	The Acadia Institute	99	0	0	0	0	0	0	0	0	0	99	0
173	Div of Chemical Educ	99	0	0	0	0	0	0	0	0	0	98	0
174	Society Hispanic Prof Eng	98	0	0	0	0	0	0	0	0	0	98	0
175	Conf Bd Mathematical Sci	98	0	0	0	0	0	0	0	0	0	0	0
176	Optical Soc of America	97	0	0	70	0	0	0	0	0	0	27	0
177	Climate Institute	97	0	0	0	0	97	0	0	0	0	0	0
178	Computer Museum	96	0	0	0	0	0	0	0	0	0	96	0
179	Natl Assc Reg Utility Comms	96	0	0	0	0	96	0	0	0	0	0	0
180	Amer Meteorological Soc	95	0	0	0	0	3	52	0	0	40	0	0
Total 1st 180 institutions		294,712	2,520	4,190	26,181	5,828	46,491	5,013	77,326	383	52,413	51,701	22,666
181	Minorities in Math S&E	94	0	0	0	0	0	0	0	0	0	94	0
182	Materials Research Soc	93	0	0	84	0	0	0	0	0	0	9	0
183	Civil Eng Res Foundation	92	0	0	0	0	0	0	0	0	0	92	0
184	Amer Public Works Assoc	90	0	0	0	0	90	0	0	0	0	0	0
185	East Side Productions	89	0	0	0	0	0	0	0	0	0	89	0
186	Sci & Math Educ Enhance	87	0	0	0	0	0	0	0	0	0	87	0
187	Society of Toxicology	85	0	0	85	0	0	0	0	0	0	0	0
188	Amer Soc of Mech Eng	84	0	0	0	0	0	0	0	0	84	0	0
189	Amer Assoc Varble Star Ob	84	0	0	0	0	0	0	0	0	0	78	0
190	Amer Cncl - Learned Soc	78	0	0	0	0	0	0	0	0	0	0	0
Total 1st 190 institutions		295,588	2,520	4,190	26,350	5,828	46,491	5,103	77,326	383	52,497	52,234	22,666
191	Mortgage Bankers Assoc	77	0	0	0	0	0	0	0	0	0	0	77
192	CA Univ Res Earthqk Eng	76	0	0	0	0	0	0	0	0	0	76	0
193	Amer Soc for Microbiology	76	0	0	0	0	70	0	0	0	0	6	0
194	Amer Assoc of Museums	75	0	0	0	0	0	0	0	0	0	75	0
195	The Keystone Center	75	0	0	25	0	0	0	0	0	0	50	0
196	Luna Vocation Tech Inst	75	0	0	0	0	75	0	0	0	0	0	0
197	ACEC Research & Mgt	74	0	0	0	0	74	0	0	0	0	0	0
198	Life Science Rsch Fdn	71	0	0	0	0	71	0	0	0	0	0	0
199	Amer Fed Info Process Soc	71	0	0	0	0	0	0	0	0	0	71	0
200	American College Testing	70	0	0	70	0	0	0	0	0	0	0	0
Total 1st 200 institutions		296,328	2,520	4,190	26,445	5,828	46,711	5,173	77,326	383	52,497	52,512	22,743

See explanatory material, if any, and SOURCE, at end of table.

Table 8-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
201	Horticultural Producers F	70	70	0	0	0	0	0	0	0	0	0	0
202	Alliance to Save Energy	70	0	0	0	0	70	0	0	0	0	0	0
203	Natl Conf of States On Bu	69	0	60	0	0	0	9	0	0	0	0	0
204	Ntl Actn Cncl Minorities	69	0	0	0	0	0	0	0	0	0	69	0
205	Amer Inst of Architects	68	0	0	0	0	0	0	0	0	0	68	0
206	Madison Children's Museum	68	0	0	0	0	0	0	0	0	0	68	0
207	Bronx Educational Service	67	0	0	0	67	0	0	0	0	0	0	0
208	Educational Support System	67	0	0	0	67	0	0	0	0	0	0	0
209	Natl Assoc Conservation	67	0	0	0	0	0	87	0	0	0	0	0
210	South Carina Ranch Auth	66	0	66	0	0	0	0	0	0	0	0	0
Total 1st 210 institutions		297,009	2,590	4,316	26,445	5,962	46,781	5,249	77,326	383	52,497	52,717	22,743
211	Am Indian Grad Center	65	0	0	0	0	65	0	0	0	0	0	0
212	Educational Excellence	65	0	0	0	65	0	0	0	0	0	0	0
213	Ohio Agricultural R&D Ctr	64	64	0	0	0	0	0	0	0	0	0	0
214	DeLaSalle Education Ctr	63	0	0	0	63	0	0	0	0	0	0	0
215	American Inst of Baking	60	60	0	0	0	0	0	0	0	0	0	0
216	Amer Sociological Assoc	60	0	0	0	0	0	0	0	0	0	60	0
217	Sigma XI Society	60	0	0	0	0	0	0	0	0	0	60	0
218	Pac Cnty Ec Dev Council	59	0	59	0	0	0	0	0	0	0	0	0
219	Impact II	58	0	0	0	58	0	0	0	0	0	0	0
220	American Psychologi Assoc	58	0	0	0	0	0	0	0	0	0	58	0
Total 1st 220 institutions		297,621	2,714	4,375	26,445	6,148	46,846	5,249	77,326	383	52,497	52,895	22,743
221	Zoolgl Soc of San Diego	55	0	0	0	0	0	0	0	0	0	55	0
222	Gulf Spec Marine Labs	55	0	55	0	0	0	0	0	0	0	0	0
223	Fdn Glacier & Environ Rch	53	0	0	0	0	7	0	0	0	0	53	0
224	Fed Amer Soc Exper Biol	52	6	0	0	0	0	0	0	0	0	46	0
225	LA Council of Bk Prof En	51	0	0	0	0	0	0	0	0	0	51	0
226	Amer Assn Retired Pers	51	0	0	0	0	0	0	0	0	0	0	51
227	Natl Humanities Center	50	0	0	0	0	0	0	0	0	0	50	0
228	Amer Wind Energy Assoc	50	0	0	0	0	50	0	0	0	0	0	0
229	Fndtn Educatl Adv Today	50	0	0	0	50	0	0	0	0	0	0	0
230	Amer Soc Testing & Matr's	50	0	0	0	0	0	30	0	20	0	0	0
Total 1st 230 institutions		298,139	2,720	4,430	26,445	6,198	46,896	5,279	77,326	403	52,497	53,151	22,794
231	Model Classrooms Assoc	50	0	0	0	50	0	0	0	0	0	0	0
232	Associated Universities	50	0	0	50	0	0	0	0	0	0	0	0
233	Assoc for Computing Mach	50	0	0	0	0	0	0	0	0	0	50	0
234	Crow Valley Livestock Cp	50	50	0	0	0	0	0	0	0	0	0	0
235	East Asian Hist Sci	50	0	0	0	0	0	0	0	0	0	50	0
236	Amer Educational Res	50	0	0	0	0	0	0	0	0	0	50	0
237	Elkhorn Slough Foundation	50	0	50	0	0	0	0	0	0	0	0	0
238	Ass Scntsts at Woods Hole	48	0	0	0	0	0	0	0	0	0	48	0
239	Helan Keller Natl Ctr Def	46	0	0	0	46	0	0	0	0	0	0	0
240	Advertising Council	45	0	0	0	0	45	0	0	0	0	0	0
Total 1st 240 institutions		298,628	2,770	4,480	26,495	6,294	46,941	5,279	77,326	403	52,497	53,349	22,794
241	National Cotton Council	45	45	0	0	0	0	0	0	0	0	0	0
242	MA Coal for Occ Saf Hlth	45	0	0	0	0	0	0	0	0	0	0	45
243	San Diego Soc Nat Hist	43	0	0	0	0	0	0	0	0	0	43	0
244	Thrae Rivers RESA	42	0	0	0	0	0	0	0	0	0	42	0
245	Montana Teachers of Math	42	0	0	0	0	0	0	0	0	0	42	0
246	Am College of Toxicology	40	0	0	40	0	0	0	0	0	0	0	0
247	Student Puppash USA	39	0	0	0	0	0	0	0	0	0	39	0
248	Intl Assc Phys Sci Ocean	36	0	0	0	0	0	0	0	0	0	36	0
249	Ctr for Excellence Ed	35	0	0	0	0	0	0	0	0	0	35	0
250	Assn for Women In Math	35	0	0	0	0	0	0	0	0	0	35	0
Total 1st 250 institutions		299,030	2,815	4,480	26,535	6,294	46,941	5,279	77,326	403	52,497	53,621	22,839

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
251	Electrochemical Society	34	0	0	4	0	30	0	0	0	0	0	0
252	Natl Food Process Assoc	33	0	33	0	0	0	0	0	0	0	0	0
253	Human Relations Area File	33	0	0	0	0	0	0	0	0	0	33	0
254	Nat Assoc for Res Sci	33	0	0	0	0	0	0	0	0	0	33	0
255	Atlantic St Marine Fisher	32	0	32	0	0	0	0	0	0	0	0	0
256	Inst for Indep Educ Inc.	32	0	0	0	0	0	0	0	0	0	32	0
257	Assoc of Amer Geographers	30	0	0	0	0	0	0	0	0	0	30	0
258	Assoc Physcl & Systm Math	30	0	0	0	0	0	0	0	0	0	0	0
259	Levelace Biomed Environ	30	0	0	0	0	30	0	0	0	0	0	0
260	Inst of Math Statistics	29	0	0	0	0	0	0	0	0	0	29	0
Total 1st 260 institutions		299,346	2,015	4,545	26,539	6,294	47,001	5,279	77,326	403	52,497	53,008	22,839
261	Cleveland Mus Natural Hist	29	0	0	0	0	0	0	0	29	0	0	0
262	Coastl States Organiztn	28	0	28	0	0	0	0	0	0	0	0	0
263	Natl Executive Serv Corps	28	0	0	0	0	0	0	0	0	0	28	0
264	N Amer Membrane Society	28	0	0	0	0	0	0	0	0	0	28	0
265	Asian Resh Vision & Ophth	26	0	0	0	0	0	0	26	0	0	0	0
266	Social Science Resh Cncl	26	0	0	0	0	0	0	0	0	0	26	0
267	Southern Growth Policies	26	0	0	0	0	0	0	0	0	0	26	0
268	Juvenile Diabetes Fdn	26	0	0	0	0	0	0	26	0	0	0	0
269	Natl Safety Council	25	0	0	0	0	0	20	0	0	0	0	5
270	American Council On Educa	25	0	0	0	0	0	0	0	0	0	25	0
Total 1st 270 institutions		299,613	2,015	4,573	26,539	6,294	47,001	5,299	77,378	432	52,497	53,941	22,844
271	National Ass Res Mgt Corp	25	0	0	0	0	0	0	0	0	0	0	25
272	US Global Strategy Cncl	25	0	0	0	0	0	25	0	0	0	0	0
273	Am Inst of Chem Engineers	25	0	0	0	0	0	25	0	0	0	0	0
274	Soc of Vertebrate Paleon	25	0	0	0	0	0	0	0	0	0	25	0
275	Natl Assoc Neighborhoods	25	0	0	0	0	0	0	0	0	0	0	25
276	Amer Soc of Zoologists	24	0	0	0	0	0	0	0	0	0	24	0
277	Natl Inst of Bldg Science	24	0	24	0	0	0	0	0	0	0	0	0
278	Ntl Ctr for Dev of Ed	23	0	0	0	0	0	0	0	0	0	23	0
279	Soc Archaeological Sc	23	0	0	0	0	0	0	0	0	0	23	0
280	Inventors Assoc St. Louis	20	0	0	0	0	20	0	0	0	0	0	0
Total 1st 280 institutions		299,052	2,015	4,597	26,539	6,294	47,021	5,349	77,378	432	52,497	54,036	22,894
281	Innovative Prod Research	20	0	0	0	0	20	0	0	0	0	0	0
282	Alaska Inventors Assoc	20	0	0	0	0	20	0	0	0	0	0	0
283	Inventors Council Mich.	20	0	0	0	0	20	0	0	0	0	0	0
284	Chicago Women In Trades	20	0	0	0	0	0	0	0	0	0	0	20
285	Intl Idsr) Sympsm Spr Con	20	0	0	0	0	20	0	0	0	0	0	0
286	Amer Soc for Cell Biology	20	0	0	0	0	0	0	0	0	0	20	0
287	American Nuclear Society	20	0	0	0	0	20	0	0	0	0	0	0
288	Technology Targeting	20	0	0	0	0	20	0	0	0	0	0	0
289	Intl Soc for Optical Eng	19	0	0	19	0	0	0	0	0	0	0	0
290	Chief State Schl Off	19	0	0	0	0	0	0	0	0	0	19	0
Total 1st 290 institutions		300,050	2,015	4,597	26,558	6,294	47,141	5,349	77,378	432	52,497	54,075	22,914
291	Museum of Sci & Industry	18	0	0	0	0	18	0	0	0	0	0	0
292	Acoustical Society Amer	17	0	0	17	0	0	0	0	0	0	0	0
293	Coastal Resources Center	16	0	16	0	0	0	0	0	0	0	0	0
294	Educom, Inc	15	0	0	0	0	0	0	0	0	0	15	0
295	Cache Corporation	15	0	0	0	0	0	0	0	0	0	15	0
296	VA Coal Council	15	0	0	0	0	15	0	0	0	0	0	0
297	Conservation Tillage Info	12	12	0	0	0	0	0	0	0	0	0	0
298	Amer Anthropol Assoc	12	0	0	0	0	0	0	0	0	0	12	0
299	Save The Children	10	0	0	0	0	0	0	0	0	0	0	10
300	Am Solar Energy Society	10	0	0	0	0	10	0	0	0	0	0	0
Total 1st 300 institutions		300,190	2,027	4,613	26,575	6,294	47,184	5,349	77,378	432	52,497	54,117	22,924

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

(Dollars in thousands)

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
301	The Hillside Trust	10	10	0	0	0	0	0	0	0	0	0	0
302	Assoc of Systematics	10	0	0	0	0	0	0	0	0	0	10	0
303	Marine Tech Society	10	0	0	0	0	0	0	0	0	0	10	0
304	Intl Soc Plant Molag Bio	10	0	0	0	0	10	0	0	0	0	0	0
305	Society of Genrl Physiol	10	0	0	0	0	0	0	0	0	0	10	0
306	Soc for Res Biol Rhyt	9	0	0	0	0	0	0	0	0	0	9	0
307	Coal Employment Project	8	0	0	0	0	0	0	0	0	0	0	8
308	The Women's Project	8	0	0	0	0	0	0	0	0	0	0	8
309	Ntl Ass Sci Tech & Society	8	0	0	0	0	0	0	0	0	0	8	0
310	Intl Soc for Chronobio	6	0	0	6	0	0	0	0	0	0	0	0
Total 1st 310 institutions		300,279	2,837	4,613	26,581	6,294	47,194	5,349	77,378	432	52,497	54,164	22,940
311	Soc Leukocyte Biology	5	0	0	0	0	0	0	0	0	0	5	0
312	Amer Soc Photogrammetry	5	0	0	0	0	0	0	0	0	0	5	0
313	N Y Bot Gar Carey Arb	5	5	0	0	0	0	0	0	0	0	0	0
314	Manomet Bird Observy	5	0	0	0	0	0	0	0	0	0	5	0
315	Linguistic Soc of Amer	5	0	0	0	0	0	0	0	0	0	5	0
316	MO NE Tradeswomen, Inc.	5	0	0	0	0	0	0	0	0	0	0	5
317	Hard Hatted Women	5	0	0	0	0	0	0	0	0	0	0	5
318	Amer Col of Radiology	5	0	0	0	0	0	0	0	0	0	5	0
319	Tradeswomen of Philadelph	4	0	0	0	0	0	0	0	0	0	0	4
320	Amer Malacological Un	4	0	0	0	0	0	0	0	0	0	4	0
Total 1st 320 institutions		300,327	2,842	4,613	26,581	6,294	47,194	5,349	77,378	432	52,497	54,193	22,954
321	Options for Working Prints	4	0	0	0	0	0	0	0	0	0	0	4
322	Center for Working Life	4	0	0	0	0	0	0	0	0	0	0	4
323	Chicago Museum of Science	4	0	0	0	0	4	0	0	0	0	0	0
324	Botanical Soc of Amer	4	0	0	0	0	0	0	0	0	0	4	0
325	American Vacuum Society	4	0	0	0	0	0	0	0	0	0	4	0
326	Tradeswomen Inc	4	0	0	0	0	0	0	0	0	0	0	4
327	Women at Work	3	0	0	0	0	0	0	0	0	0	0	3
328	Natl Hispana Leadership	3	0	0	0	0	0	0	0	0	0	0	3
329	The Natl Cnfr Black Mayor	3	0	0	0	0	0	0	0	0	0	0	3
330	The Crescent Sisters Teen	3	0	0	0	0	0	0	0	0	0	0	3
Total 1st 330 institutions		300,363	2,842	4,613	26,581	6,294	47,198	5,349	77,378	432	52,497	54,201	22,978
331	Networking Together Inc.	3	0	0	0	0	0	0	0	0	0	0	3
332	Wo Resource Ctr Sarasota	3	0	0	0	0	0	0	0	0	0	0	3
333	Women Unlimited	3	0	0	0	0	0	0	0	0	0	0	3
334	Soc for Ind Microbiology	3	0	0	3	0	0	0	0	0	0	0	0
335	Amer Soc of Human Gen	3	0	0	0	0	0	0	0	0	0	3	0
336	Career Connections, Inc.	3	0	0	0	0	0	0	0	0	0	0	3
337	Pot Reentry Op in Bus&Ed	2	0	0	0	0	0	0	0	0	0	0	2
338	Am Bus Women's Associatn	2	0	0	0	0	0	0	0	0	0	0	2
339	Grt Plains Area Vo-Tech	2	0	0	0	0	0	0	0	0	0	0	2
340	WV Women's Foundation Inc	2	0	0	0	0	0	0	0	0	0	0	2
Total 1st 340 institutions		300,389	2,842	4,613	26,584	6,294	47,198	5,349	77,378	432	52,497	54,204	22,998
341	Nat Conf of Puerto R. Wmn	2	0	0	0	0	0	0	0	0	0	0	2
342	Asian Pac Dev Ctr Colo	1	0	0	0	0	0	0	0	0	0	0	1
343	YWCA of Metro Chicago	1	0	0	0	0	0	0	0	0	0	0	1
344	Black Hills Sp Svc Coop	1	0	0	0	0	0	0	0	0	0	0	1
345	National Alliance of Bus	1	0	0	0	0	0	0	0	0	0	0	1
346	National Cncl Jewish Wmn	1	0	0	0	0	0	0	0	0	0	0	1
347	The Omaha Neb YWCA	1	0	0	0	0	0	0	0	0	0	0	1
348	Big Sisters of Philadelph	1	0	0	0	0	0	0	0	0	0	0	1
349	Nat Cncl of Women US, Inc	1	0	0	0	0	0	0	0	0	0	0	1
350	Am Ass of University Wmn	1	0	0	0	0	0	0	0	0	0	0	1
Total 1st 350 institutions		300,400	2,842	4,613	26,584	6,294	47,198	5,349	77,378	432	52,497	54,204	23,009

See explanatory material, if any, and SOURCE, at end of table.

Table B-22. Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
351	YWCA of Cleveland, Ohio	1	0	0	0	0	0	0	0	0	0	0	1
352	Nat Ass of Negro Bus Org	1	0	0	0	0	0	0	0	0	0	0	1
353	Hlth Car & Nursing Res Ct	1	0	0	0	0	0	0	0	0	0	0	1
354	Older Women's League	1	0	0	0	0	0	0	0	0	0	0	1
355	Operation Able	1	0	0	0	0	0	0	0	0	0	0	1
356	Mid America Congress Aging	1	0	0	0	0	0	0	0	0	0	0	1
357	YWCA of Ft. Wayne	1	0	0	0	0	0	0	0	0	0	0	1
358	SW Women Working Together	1	0	0	0	0	0	0	0	0	0	0	1
359	Ctr for New Directions	1	0	0	0	0	0	0	0	0	0	0	1
360	Resource Center for Women	1	0	0	0	0	0	0	0	0	0	0	1
Total list 360 institutions		300,410	2,842	4,613	26,584	6,294	47,198	5,349	77,378	432	52,497	54,204	23,019
361	CO Committee Womens Hist	1	0	0	0	0	0	0	0	0	0	0	1
362	CO Women's Chmbr Commerce	1	0	0	0	0	0	0	0	0	0	0	1
363	Colorado Women of Color	1	0	0	0	0	0	0	0	0	0	0	1
364	CO Women in Architecture	1	0	0	0	0	0	0	0	0	0	0	1
Total list 364 institutions		300,414	2,842	4,613	26,584	6,294	47,198	5,349	77,378	432	52,497	54,204	23,023

1/ Includes DOT, AID, HUD, Labor, and HRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-3. Federal obligations to universities and colleges,
by type of activity and agency: fiscal years 1963-80 1/2

(Dollars in millions)

Page 1 of 4

Activity and year	Total	USDA	Com	DOD 2/	OE	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT	
Total obligations																		
1963	1,413.0	104.0	1.8	218.0	-	-	76.1	-	645.3	-	4.0	-	-	87.4	256.3	-	-	
1964	1,625.0	115.0	1.7	258.1	-	-	79.9	-	780.0	-	5.3	-	-	107.6	277.5	-	-	
1965	2,305.5	135.6	2.6	267.9	-	-	84.4	-	1,345.6	-	9.7	-	-	134.3	325.2	-	-	
1966	3,010.0	141.0	2.8	278.0	-	-	96.9	-	1,952.2	-	22.4	-	-	142.2	374.5	-	-	
1967	3,317.7	144.8	7.9	264.1	-	-	109.6	-	2,237.8	-	27.4	-	-	131.5	394.5	-	-	
1968	3,386.6	144.2	9.8	243.1	54.7	-	119.7	-	2,222.2	1.7	28.2	-	6.6	129.8	422.8	-	3.7	
1969	3,462.4	155.9	3.9	278.7	60.4	-	121.0	-	2,302.4	1.1	24.3	10.0	10.4	127.2	367.0	-	-	
1970	3,236.6	182.1	4.9	265.5	35.6	-	114.5	-	2,060.9	.6	27.7	10.9	5.2	131.2	387.4	-	10.1	
1971	3,498.6	214.6	9.7	249.0	37.5	-	105.8	27.2	2,274.6	.7	22.6	19.1	5.2	134.1	387.7	-	10.8	
1972	4,144.7	238.6	26.0	243.9	30.0	-	95.3	23.3	2,842.1	1.5	24.4	18.7	7.5	119.0	458.7	-	15.9	
1973	3,839.1	256.8	28.6	232.9	30.1	-	96.2	27.7	2,576.3	.9	23.8	10.7	8.3	111.4	419.6	-	15.9	
1974	4,480.4	260.7	29.5	184.4	10.0	-	99.5	30.9	3,250.4	2.9	23.8	19.9	7.2	98.9	449.6	-	12.8	
1975	4,547.2	290.7	26.4	190.5	-	-	124.3	38.8	3,207.9	2.3	28.8	12.4	5.5	108.0	490.5	-	20.8	
1976	5,402.8	328.6	39.1	211.9	-	-	144.1	33.0	3,964.3	1.4	28.2	13.5	4.5	118.9	496.3	-	15.7	
1977	6,489.7	346.7	32.5	267.3	-	-	211.8	46.3	4,817.0	4.3	29.5	24.4	7.2	121.0	565.8	-	11.4	
1978	7,471.8	394.8	35.9	452.3	-	-	269.7	55.8	5,403.8	10.5	44.0	28.1	12.6	130.5	607.1	8.8	17.8	
1979 4/.....	7,603.9	427.0	47.3	528.7	-	-	274.9	68.1	5,935.8	4.0	40.1	28.5	13.7	143.9	671.6	6.9	11.4	
1980	8,298.8	448.4	52.2	555.9	-	-	2,832.1	312.2	83.4	2,985.8	4.3	45.8	38.6	16.2	171.2	726.4	7.0	19.4
1981 4/.....	8,640.9	495.6	51.8	746.2	-	-	2,269.8	315.7	70.6	2,749.8	3.0	38.7	31.3	15.1	183.5	695.1	7.4	29.0
1982 4/.....	8,777.0	532.1	40.8	873.1	-	-	3,242.7	295.3	89.4	2,624.9	2.6	28.5	50.4	10.5	176.9	728.1	5.2	12.0
1983 4/.....	9,344.6	570.0	51.0	954.4	-	-	1,726.0	328.1	51.2	2,809.7	1.5	35.8	43.4	9.5	203.8	798.8	4.8	28.4
1984	10,039.5	611.8	106.0	965.7	-	-	3,517.1	354.6	52.9	3,148.4	.4	45.8	56.3	7.1	216.6	935.6	4.9	16.6
1985	10,971.6	656.8	81.4	1,067.1	-	-	3,518.7	454.7	66.1	3,672.1	.4	44.4	57.0	6.8	251.0	1,078.7	5.4	11.2
1986	11,619.2	624.2	70.1	1,214.0	-	-	3,996.5	426.6	70.8	3,773.6	.3	50.8	44.3	6.5	270.3	1,055.8	3.8	17.3
1987	13,433.8	678.4	93.5	1,297.9	-	-	4,850.8	475.1	74.3	4,453.0	.5	46.5	53.3	11.1	309.8	1,069.5	3.9	16.0
1988	14,066.5	746.8	87.3	1,385.8	-	-	4,846.2	537.6	64.2	4,770.6	.1	51.1	48.5	10.9	363.7	1,102.1	3.6	24.2
1989	15,502.3	728.6	81.4	1,487.7	-	-	5,377.7	566.0	85.8	5,204.4	**	68.2	65.3	9.2	461.9	1,336.2	4.3	25.2
1990	15,204.6	769.8	115.6	1,342.2	-	-	4,656.7	572.6	93.6	5,506.0	.1	74.6	47.4	11.3	511.3	1,445.1	4.6	53.7
Total academic science & engineering																		
1963	1,328.5	104.0	1.8	218.0	-	-	76.1	-	581.0	-	3.8	-	-	87.4	256.3	-	-	
1964	1,528.6	115.0	1.7	258.1	-	-	79.9	-	683.8	-	5.1	-	-	107.6	277.5	-	-	
1965	1,816.2	135.6	2.6	267.9	-	-	84.4	-	856.5	-	9.6	-	-	134.3	325.2	-	-	
1966	2,163.5	141.0	2.8	278.0	-	-	96.9	-	1,109.2	-	19.1	-	-	142.2	374.5	-	-	
1967	2,323.8	144.8	4.4	264.1	-	-	109.6	-	1,251.0	-	23.9	-	-	131.5	394.5	-	-	
1968	2,349.8	144.2	8.0	243.1	12.5	-	119.7	-	1,229.4	1.7	28.2	-	6.6	129.8	422.8	-	3.7	
1969	2,361.4	155.9	2.2	278.7	9.3	-	121.0	-	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	-	-	
1970	2,187.6	182.1	3.9	265.5	18.9	-	114.5	-	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	-	10.1	
1971	2,343.1	214.6	7.6	249.0	16.4	-	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	-	10.8	
1972	2,599.1	238.6	26.0	243.9	8.3	-	95.3	23.3	1,318.5	1.5	24.3	18.7	7.3	119.0	458.7	-	15.9	
1973	2,464.4	256.8	28.4	232.9	8.7	-	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	-	15.9	
1974	2,737.0	260.7	29.4	184.4	4.1	-	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	-	12.8	
1975	2,805.8	290.7	25.8	190.5	-	-	124.3	38.8	1,467.3	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8	
1976	2,959.7	328.6	38.2	211.9	-	-	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	-	15.7	
1977	3,351.3	343.2	32.5	267.3	-	-	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	-	10.9	
1978	3,959.8	391.7	35.9	452.3	-	-	267.2	54.7	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.8	17.5	
1979	4,472.7	422.5	47.3	528.7	-	-	273.9	66.7	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4	
1980	4,791.0	444.1	51.6	555.9	-	-	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,082.9	491.4	51.8	726.0	-	-	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.9	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	-	-	35.4	288.2	83.8	2,332.8	2.6	28.3	50.4	8.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.2	-	-	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	-	-	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.8	13.6
1985	7,257.9	652.8	81.2	1,061.1	-	-	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	-	-	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,565.4	674.7	88.8	1,278.5	-	-	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	13.4
1988	9,133.5	741.7	81.4	1,377.4	-	-	255.6	536.2	64.2	4,486.2	.1	41.6	48.5	8.0	363.7	1,102.1	3.6	21.4
1989	10,071.6	721.7	74.0	1,486.4	-	-	269.6	565.3	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	22.1
1990	10,461.7	762.0	110.4	1,342.2	-	-	240.9	571.7	93.6	5,214.5	.1	60.5	47.4	8.6	511.3	1,445.1	4.6	48.8
Research and development																		
1963	829.5	40.6	1.5	218.0	-	-	68.3	-	332.9	-	3.8	-	-	59.8	104.6	-	-	
1964	975.6	47.5	1.1	258.1	-	-	70.5	-	399.2	-	5.0	-	-	78.2	115.8	-	-	
1965	1,095.0	59.1	2.1	267.9	-	-	74.8	-	441.9	-	9.5	-	-	100.6	139.2	-	-	
1966	1,252.1	62.9	2.1	278.0	-	-	83.2	-	507.3	-	18.7	-	-	107.4	192.5	-	-	
1967	1,301.2	64.0	3.4	264.1	-	-	89.7	-	577.0	-	23.9	-	-	109.0	170.2	-	-	
1968	1,398.3	62.2	6.7	243.1	12.5	-	101.8	-	619.1	1.0	27.8	-	6.6	126.1	187.7	-	3.7	
1969	1,474.7	63.6	1.7	278.7	9.3	-	103.1	-	667.1	1.0	23.5	3.9	9.1	122.3	191.5	-	-	
1970	1,446.6	67.4	3.2	265.5	18.9	-	101.4	-	614.9	.5	27.1	5.2	3.5	127.4	201.2	-	10.1	
1971	1,551.4	74.8	6.9	249.0	16.4	-	85.9	17.0	695.7	.7	21.3	17.1	3.3	126.5	216.9	-	8.0	
1972	1,853.1	88.6	23.6	243.9	8.3	-	86.8	17.7	879.4	1.5	23.0	13.5	7.3	132.4	334.7	-	12.4	
1973	1,870.7	93.8	24.9	232.9	8.7	-	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	-	15.2	

See explanatory material, if any, and SOURCE, at end of table.

Table C-1. Federal obligations to universities and colleges.
by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

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Activity and year	Total	USDA	Com	DOE 2/	DOE	ED 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Research and development																	
1974	2,085.2	96.7	26.4	184.4	3.4	-	94.6	24.1	1,129.0	0.6	22.2	18.4	5.6	92.0	376.1	-	11.6
1975	2,246.1	110.5	22.2	190.5	-	-	119.2	33.8	1,205.2	2.3	27.2	6.3	4.0	100.2	404.6	0.0	18.1
1976	2,431.0	124.2	29.0	211.9	-	-	138.1	29.3	1,296.2	3.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9
1977	2,803.0	142.2	32.2	267.3	-	-	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6
1978	3,305.8	175.3	35.0	452.3	-	-	251.1	51.1	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4
1979	3,873.5	193.8	45.9	528.7	-	-	256.4	80.9	1,968.5	4.0	35.3	28.0	11.1	137.2	587.8	6.8	11.4
1980	4,160.5	211.8	50.4	555.9	-	-	279.6	76.9	2,025.4	4.3	38.8	30.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	780.5	-	-	281.8	84.2	2,112.8	3.0	30.2	31.3	12.9	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	-	-	265.2	78.1	2,110.8	5	21.5	50.4	8.4	167.7	689.8	9.0	11.7
1983	5,024.3	273.9	50.1	913.3	-	-	296.6	40.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,446.8	273.0	75.6	827.8	-	-	317.1	47.3	2,681.4	2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	-	-	373.1	61.9	3,098.6	2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	-	-	346.9	67.9	3,212.1	1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	-	-	371.6	67.1	3,635.3	1	39.4	53.3	6.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	-	-	407.6	64.1	4,128.3	1	39.1	48.5	8.0	339.5	998.3	3.8	21.3
1989	8,522.6	336.0	86.0	1,220.6	-	-	448.7	77.5	4,512.0	0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
1990	9,031.0	349.1	97.3	1,196.9	-	-	512.4	87.1	4,774.5	1	57.8	47.4	8.6	470.7	1,304.6	4.6	48.6
R&D plant 2/																	
1963	105.9	6.0	0.0	0.0	-	-	2.6	-	39.2	-	0.1	-	-	13.4	50.6	-	-
1964	100.0	0	0	0	-	-	4.0	-	39.9	-	0	-	-	9.1	47.8	-	-
1965	126.2	3.2	0	0	-	-	3.8	-	54.8	-	0	-	-	8.4	56.0	-	-
1966	114.8	2.0	0	0	-	-	7.4	-	48.5	-	0	-	-	7.4	49.3	-	-
1967	111.3	2.0	0	0	-	-	13.8	-	38.1	-	0	-	-	5.0	52.1	-	-
1968	96.1	1.9	0	0	-	-	11.9	-	36.9	-	0	-	-	0	45.3	-	0
1969	54.5	1.2	0	0	-	-	11.4	-	20.5	-	0	-	-	0	21.4	-	-
1970	44.8	1.1	0	0	-	-	7.1	-	20.0	-	0	-	-	0	16.5	-	0
1971	29.9	0	0	0	-	-	4.8	-	15.2	-	0	-	-	0	9.7	-	0
1972	36.9	0	0	0	-	-	4.1	-	22.2	-	0	-	-	0	10.0	-	0
1973	43.3	0	0	0	-	-	5.6	-	26.7	-	0	-	-	0	7.4	-	0
1974	29.0	0	0	0	-	-	4.2	-	14.5	-	0	-	-	0	10.2	-	0
1975	44.8	0	0	0	-	-	4.2	-	22.9	-	0	-	-	0	17.6	-	0
1976	23.9	0	1.0	0	-	-	5.6	-	11.4	-	0	-	-	0	5.9	-	0
1977	36.5	0	0	0	-	-	17.5	-	11.1	-	0	-	-	0	7.3	-	0
1978	34.3	0	0	0	-	-	13.4	-	9.9	-	0	-	-	0	11.0	-	0
1979	32.1	0	0	0	-	-	9.1	-	7.5	-	0	-	-	0	14.7	-	0
1980	37.0	0	0	0	-	-	20.6	-	4.4	-	0	-	-	0	12.6	-	0
1981	27.0	0	0	1.1	-	-	19.6	-	2.0	-	0	-	-	0	4.9	-	0
1982	31.2	0	0	0	-	-	18.8	-	5.4	-	0	-	-	0	4.9	-	0
1983	37.5	9.6	0	0	-	-	17.2	-	1.5	-	0	-	-	0	7.7	-	0
1984	49.8	9.6	0	0	-	-	29.5	-	1.7	-	0	-	-	0	9.7	-	0
1985	113.9	9.6	0	0	-	-	77.7	-	11.4	-	0	-	-	0	14.9	-	0
1986	105.0	9.1	1.2	0	-	-	73.0	-	4.2	-	0	-	-	0	16.0	-	0
1987	229.9	88.4	1	0	-	-	102.9	-	4.2	-	0	-	-	0	7.4	-	0
1988	202.9	68.0	0	0	-	-	127.7	-	0	-	0	-	-	0	5.4	-	0
1989	237.0	31.1	1.2	87.9	-	-	115.5	-	22.0	-	0	-	-	0	6.7	-	0
1990	124.8	45.1	1	0	-	-	57.2	-	13.7	-	0	-	-	0	7.5	-	0
Facilities for instruction																	
1971 6/...	28.7	3	0	0	-	-	2.3	-	13.9	-	0	-	-	0	12.1	-	0
1972	26.3	5	0	0	-	-	1.9	-	30.9	-	0	-	-	0	3.0	-	0
1973	13.4	0	0	0	-	-	2.3	-	9.4	-	0	-	-	0	1.6	-	0
1974	3.5	0	0	0	-	-	0	-	4.9	-	0	-	-	0	3.1	-	0
1975	5.0	0	1	0	-	-	0	-	4.9	-	0	-	-	0	0	-	0
1976	3.2	0	0	0	-	-	0	-	0	-	0	-	-	0	3.0	-	0
1977	3.3	0	0	0	-	-	4	-	0	-	0	-	-	0	2.9	-	0
1978	4.9	0	0	0	-	-	1.3	-	0	-	0	-	-	0	3.5	-	0
1979	6.7	0	0	0	-	-	3.5	-	0	-	0	-	-	0	3.2	-	0
1980	3.8	0	0	0	-	-	9	-	1	-	0	-	-	0	2.8	-	0
1981	4.6	0	0	0	-	-	1.1	-	0	-	0	-	-	0	3.2	-	0
1982	8	0	0	0	-	-	8	-	0	-	0	-	-	0	0	-	0
1983	2.5	0	0	0	-	-	2.3	-	0	-	0	-	-	0	0	-	0
1984	1.9	0	1.6	0	-	-	0	-	0	-	0	-	-	0	0	-	0
1985	4.9	0	0	0	-	-	0	-	0	-	0	-	-	0	4.8	-	0
1986	5.0	0	0	0	-	-	0	-	0	-	0	-	-	0	5.0	-	0
1987	13.7	0	0	0	-	-	5.0	-	0	-	0	-	-	0	8.7	-	0
1988	13.4	0	2.5	0	-	-	0	-	0	-	0	-	-	0	10.5	-	0
1989	16.9	0	1.6	0	-	-	0	-	0	-	0	-	-	0	15.3	-	0
1990	19.2	0	4.5	0	-	-	0	-	0	-	0	-	-	0	14.7	-	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-1. Federal obligations to universities and colleges,
by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

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Activity and year	Total	USDA	Com	DOD 2/	OEO	NSF 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Fellowships, traineeships, & trng grnts																	
1966 5/...	365.6	-	.0	-	-	-	3.2	-	289.9	-	.0	-	-	25.0	47.5	-	-
1967	447.2	-	.0	-	-	-	3.7	-	379.2	-	.0	-	-	15.0	49.4	-	-
1968	440.9	-	.0	-	.0	-	3.6	-	387.0	-	.0	-	.0	.9	49.4	-	.0
1969	436.3	-	.0	-	.0	-	5.5	-	375.7	-	.0	-	.0	1.3	53.8	-	1.3
1970	429.4	-	.0	-	.0	-	5.0	-	369.6	-	.0	-	.0	2.1	52.7	-	.0
1971	421.0	.0	**	.0	.0	-	2.6	10.1	361.4	.0	**	.0	.6	1.0	42.3	-	2.8
1972	387.9	.0	.4	.0	.0	-	2.0	5.6	346.6	.0	.0	.0	.0	1.1	28.8	-	3.5
1973	287.2	.0	.6	.0	.0	-	2.3	9.2	256.8	.0	.0	.0	.0	1.3	16.4	-	.7
1974	326.6	.0	**	.0	.7	-	.8	6.8	301.5	.0	.0	.0	.0	1.2	14.4	-	1.3
1975	201.3	.0	**	.0	-	-	.7	5.0	181.7	.0	.0	.0	.0	1.3	9.7	.0	2.7
1976	174.9	.0	.0	.0	-	-	.1	3.6	155.6	.0	.0	.0	.0	1.3	13.4	**	.8
1977	184.7	.0	.0	.0	-	-	.2	1.3	165.9	.0	.0	.0	.0	1.4	14.8	.1	.8
1978	205.9	.0	.0	.0	-	-	.7	3.6	184.2	.0	3.2	.6	.0	1.3	11.7	**	.6
1979	204.9	.0	.0	.0	-	-	1.9	4.5	182.3	.0	.3	.0	.0	1.8	14.1	.0	.0
1980	210.1	.0	.0	.0	-	.0	.0	4.5	187.6	.0	1.4	.0	.0	2.8	13.8	.0	.0
1981	205.4	.0	.0	.0	-	.0	.0	2.4	183.5	.0	.9	.0	.0	3.7	14.8	.1	.0
1982	176.6	.0	.0	.0	-	.0	.3	2.5	151.9	.0	.0	.0	.0	4.2	17.5	.0	.4
1983	189.6	.2	.2	.7	-	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3
1984	194.9	.2	.1	.0	-	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4
1985	253.1	7.0	0.1	0.8	-	0.0	0.4	2.1	210.9	0.0	0.0	0.0	0.0	5.6	25.8	0.0	0.4
1986	246.2	4.7	.0	.5	-	.0	.6	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2
1987	290.9	4.7	.6	2.3	-	11.8	.6	1.8	232.5	.0	.0	.0	.0	6.7	27.7	.0	.2
1988	309.3	4.6	2.6	1.5	-	13.5	.7	2.0	239.3	.0	.0	.0	**	15.8	29.2	.0	.0
1989	340.5	4.6	1.2	.1	-	22.9	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2
1990	409.9	7.8	.7	.1	-	28.4	1.6	3.5	304.9	.0	**	.0	.0	21.7	41.0	.0	.1
General support for science and engineering																	
1971 5/...	99.7	0.0	0.2	0.0	0.0	-	0.0	0.0	40.2	0.0	1.1	0.0	1.2	0.0	56.9	-	0.0
1972	83.3	.0	1.5	.0	.0	-	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	-	.0
1973	39.0	.0	.0	.0	.0	-	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	-	.0
1974	87.0	.0	.5	.0	.0	-	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	-	.0
1975	46.4	.0	1.8	.0	-	-	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	-	-	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	-	-	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	.7	.0
1978	74.4	.0	.0	.0	-	-	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	.3
1979	92.5	4.7	.0	.0	-	**	1.3	52.8	.0	4.4	.0	.0	.0	.0	29.4	.0	.0
1980	91.5	.0	.0	.0	-	0.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	-	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	-	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	-	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	-	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	**	1.8	-	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	-	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	-	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	-	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	197.7	.0	.0	1.8	-	80.2	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
1990	142.5	.0	1.0	.0	-	28.7	.5	3.1	102.2	.0	2.7	.0	.0	.0	4.3	.0	.0
Other science & engineering activities																	
1963	393.1	63.4	.3	.0	-	-	5.3	-	208.9	-	**	-	-	14.1	101.1	-	-
1964	452.2	67.5	.6	.0	-	-	5.4	-	244.6	-	**	-	-	20.2	113.9	-	-
1965	595.0	73.3	.6	.0	-	-	5.9	-	359.8	-	**	-	-	25.4	130.1	-	-
1966	431.0	76.1	.7	.0	-	-	3.1	-	263.4	-	**	-	-	2.3	85.2	-	-
1967	464.0	78.8	.7	.0	-	-	2.5	-	256.7	-	**	-	-	2.4	122.8	-	-
1968	414.5	80.1	1.0	.0	.0	-	2.5	-	186.4	.7	.4	-	.0	2.8	140.5	-	**
1969	395.9	91.1	.5	**	.0	-	1.0	-	198.4	.1	.9	.0	.0	3.7	100.2	-	-
1970	266.8	113.5	.7	**	.0	-	1.0	-	32.2	.0	.6	.0	.0	1.7	117.0	-	.0
1971	212.4	139.5	.5	.0	.0	-	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	-	.0
1972	211.6	149.5	.6	.0	.0	-	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	-	.0
1973	210.8	163.0	2.7	.0	.0	-	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	-	.0
1974	205.7	164.0	2.2	.0	.0	-	.2	.0	5.7	.0	.0	.0	.0	5.7	27.9	-	.0
1975	262.3	180.2	1.7	.0	-	-	.1	.0	15.3	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	-	-	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	248.0	201.0	.3	.0	-	-	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	-	-	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	.2
1979	263.0	224.0	1.5	.0	-	-	3.0	.1	6.9	.0	.0	.0	.0	4.7	22.4	.4	.0
1980	287.2	232.3	1.2	.0	-	.0	2.8	**	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	-	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.8	38.2	-	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	-	.0	**	.5	2.8	.1	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	-	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0

See explanatory material, if any, and SOURCE, at end of table.

Table C-1. Federal obligations to universities and colleges,
by type of activity and agency: fiscal years 1963-90 1/

[Dollars in millions]

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Activity and year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	NHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Other science & engineering activities																	
1985	520.5	335.7	1.4	149.5	-	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	-	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	553.0	308.6	.6	171.4	-	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	.0
1988	716.8	347.9	.5	179.3	-	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	.1
1989	756.9	349.9	3.8	206.1	-	96.6	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	.0
1990	734.2	360.0	6.8	145.2	-	112.4	.0	.0	19.2	.0	.0	.0	.0	17.5	73.0	.0	.0
Non-science & engineering activities																	
1963	84.5	.0	.0	.0	-	-	.0	-	84.3	-	.2	-	-	.0	.0	-	-
1964	96.4	.0	.0	.0	-	-	.0	-	96.2	-	.2	-	-	.0	.0	-	-
1965	489.3	**	.0	.0	-	-	.0	-	489.1	-	.1	-	-	.0	.0	-	-
1966	846.4	**	.0	.0	-	-	.0	-	843.1	-	3.4	-	-	.0	.0	-	-
1967	993.9	**	3.5	.0	-	-	.0	-	986.8	-	3.5	-	-	.0	.0	-	-
1968	1,036.8	.0	1.8	.0	42.2	-	.0	-	992.8	.0	.0	-	.0	.0	.0	-	.1
1969	1,101.0	.0	3.8	**	51.1	-	.0	-	1,040.6	**	.0	6.1	1.3	.0	.0	-	.0
1970	1,049.0	.0	1.0	**	16.7	-	.0	-	1,024.2	**	.0	5.4	1.7	.0	.0	-	.0
1971	1,155.5	.0	2.0	.0	21.1	-	.0	.0	1,132.3	.0	**	.0	.0	.0	.0	-	.0
1972	1,545.6	.0	.0	.0	21.7	-	.0	.0	1,523.5	.0	.1	.0	.2	.0	.0	-	.0
1973	1,374.7	.0	.1	.0	21.3	-	**	.0	1,351.2	.0	.1	.0	2.0	.0	.0	-	.0
1974	1,743.4	.0	.1	.0	5.9	-	.0	.0	1,735.0	2.2	.0	.0	.1	.0	.0	-	.0
1975	1,741.4	.0	.7	.0	-	-	.0	.0	1,740.6	.0	**	.0	.0	.0	.0	-	.0
1976	2,443.1	.0	.9	.0	-	-	.0	.0	2,442.1	.0	.1	.0	.0	.0	.0	-	.0
1977	3,138.4	3.5	.0	.0	-	-	3.7	.0	3,130.5	.0	.0	.0	.0	.0	.0	-	.5
1978	3,512.0	3.2	.0	.0	-	-	2.5	1.1	3,503.1	.0	1.5	.0	.0	.0	.0	-	.2
1979 4/.....	3,131.2	4.5	.0	.0	-	-	1.0	1.4	1,719.1	.0	.0	.0	2.6	.0	.0	**	.0
1980	3,507.8	4.3	0.6	0.0	-	2,784.0	2.7	1.9	704.7	0.0	3.3	0.0	5.9	0.0	0.0	**	0.3
1981 4/.....	3,578.1	4.2	.0	22.2	-	2,213.8	5.3	3.1	386.2	.0	4.5	.0	2.2	.0	.0	**	.5
1982 4/.....	3,597.4	2.4	.0	15.8	-	3,207.1	7.1	1.6	292.1	.0	.2	.0	2.1	.0	.0	0.2	.0
1983 4/.....	3,664.0	4.0	.0	14.2	-	1,691.1	8.1	.9	207.5	.0	3.9	.0	3.1	.0	.0	.1	3.0
1984	3,731.5	4.2	.2	11.1	-	3,473.4	6.2	1.0	214.3	.2	13.5	.0	3.9	.0	.0	.3	3.0
1985	3,711.7	4.0	.2	6.0	-	3,449.1	3.0	.9	232.1	.2	11.3	.0	3.4	.0	.0	.0	3.6
1986	4,188.4	3.5	.0	7.8	-	3,922.5	**	.0	237.7	.2	10.0	.0	2.8	.0	.0	.0	3.8
1987	4,868.3	3.7	4.7	19.4	-	4,570.0	**	.0	257.7	.3	7.1	.0	2.9	.0	.0	.0	2.6
1988	4,933.1	5.1	6.0	8.4	-	4,610.5	1.4	.0	284.4	.0	11.6	.0	2.9	.0	.0	.0	2.8
1989	5,430.7	6.9	7.4	1.3	-	5,108.2	.7	.0	288.4	**	12.0	.0	2.7	.0	.0	.0	3.1
1990	4,742.9	7.7	5.3	.0	-	4,415.8	.8	.0	291.5	**	14.1	.0	2.7	.0	.0	.0	5.0

- Indicates not available.

** Indicates amount less than \$50,000.

1/ See footnote 1 at end of Table B-1.

2/ See Technical Notes, Scope of Survey.

3/ Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

4/ The total figures for "total" obligations and "non-science and engineering" obligations were estimated on the basis of revised data from the Department of Education. The data reported under the Department of Education columns for "total" and "non-science and engineering" obligations, however, were not revised because new detail was not available for individual institutions.

5/ Data collected before this year are not separately identified but are included under "other science and engineering activities".

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-2. Federal obligations to universities and colleges,
by geographic division and State: fiscal years 1983-90

[Dollars in thousands]

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Geographic division and State	1983 1/	1984	1985	1986	1987	1988	1989	1990
United States, total	9,344,618	10,039,468	10,971,593	11,619,243	13,433,783	14,066,510	15,502,301	15,204,563
New England, total	766,441	966,950	1,056,037	1,088,619	1,174,983	1,206,431	1,321,470	1,320,297
Connecticut	143,239	181,372	206,377	197,087	231,719	231,478	248,533	244,813
Maine	17,369	37,740	35,021	37,829	42,533	38,712	45,750	43,585
Massachusetts	505,988	603,339	665,491	691,989	724,731	742,505	839,682	827,049
New Hampshire	27,660	36,771	41,580	44,557	55,356	53,292	55,679	70,324
Rhode Island	45,342	62,053	66,828	73,428	72,131	77,967	78,324	81,925
Vermont	26,843	45,675	40,740	43,729	48,513	62,477	53,502	52,601
Middle Atlantic, total	1,225,240	1,604,269	1,740,096	1,814,007	2,129,924	2,314,463	2,329,839	2,298,741
New Jersey	102,200	153,243	162,619	171,673	187,917	204,581	224,745	230,188
New York	746,615	963,879	1,027,688	1,055,110	1,297,802	1,367,622	1,342,319	1,277,984
Pennsylvania	376,425	487,147	549,789	587,224	644,205	742,060	762,775	790,569
East North Central, total	1,059,208	1,425,449	1,567,179	1,646,293	1,912,374	1,911,678	2,187,648	2,145,079
Illinois	303,009	389,210	451,905	464,929	565,116	541,870	604,137	586,019
Indiana	131,860	191,087	205,299	208,978	216,780	219,807	256,735	271,864
Michigan	224,945	306,049	310,407	329,715	408,922	433,177	503,019	464,864
Ohio	227,119	310,416	343,214	372,105	410,374	412,776	461,694	490,328
Wisconsin	172,275	228,687	256,354	270,566	311,182	304,048	362,063	332,004
West North Central, total	462,097	695,600	756,245	809,974	951,665	970,064	1,105,342	1,053,935
Iowa	88,429	126,339	137,393	151,369	187,190	196,382	220,887	199,314
Kansas	47,235	75,766	91,090	87,016	115,017	113,502	128,654	104,321
Minnesota	117,829	176,973	194,911	215,114	237,634	240,476	295,934	264,550
Missouri	132,339	185,121	194,242	209,222	244,417	254,409	284,354	288,256
Nebraska	31,096	59,508	63,329	65,148	78,139	74,875	80,646	78,377
North Dakota	22,866	39,129	39,577	42,262	44,556	54,401	50,960	75,436
South Dakota	22,303	32,764	35,703	39,843	44,712	36,019	43,907	43,681
South Atlantic, total	1,437,794	1,853,000	1,991,994	2,096,439	2,422,721	2,602,742	2,827,223	2,762,192
Delaware	17,272	22,787	22,676	21,826	23,802	27,618	29,704	31,393
District of Columbia	265,836	298,112	306,263	292,741	307,618	307,405	309,452	326,093
Florida	152,503	207,064	215,260	238,537	311,472	358,838	396,804	348,458
Georgia	154,530	199,748	215,384	243,431	276,159	304,772	316,845	294,322
Maryland	424,407	523,864	573,326	602,952	691,090	761,456	804,615	805,554
North Carolina	216,673	293,593	312,939	330,537	395,400	412,890	473,274	465,915
South Carolina	52,464	80,714	102,681	107,436	137,818	126,927	136,683	120,735
Virginia	130,223	171,182	196,052	205,191	221,963	233,223	281,204	297,855
West Virginia	23,886	47,936	47,413	53,788	57,399	69,613	78,642	71,867
East South Central, total	383,272	534,940	578,076	637,408	739,605	755,924	818,676	842,960
Alabama	123,405	177,720	187,290	221,934	251,515	249,118	262,716	277,316
Kentucky	62,301	99,680	111,787	115,801	119,942	124,882	144,745	144,600
Mississippi	55,963	86,582	90,461	99,653	144,632	146,500	157,578	144,588
Tennessee	141,603	170,958	188,538	200,020	223,516	235,424	253,637	276,456
West South Central, total	520,722	728,834	804,209	862,889	1,028,310	1,131,628	1,285,890	1,237,178
Arkansas	38,698	58,480	62,892	66,562	74,954	84,001	97,141	100,948
Louisiana	76,875	124,840	138,287	151,017	172,732	199,174	254,787	222,509
Oklahoma	52,728	79,334	91,892	98,231	117,163	127,973	127,343	132,585
Texas	352,420	466,180	511,138	547,079	663,461	720,480	806,619	781,136
Mountain, total	407,875	544,124	583,843	615,353	725,130	783,767	897,991	890,589
Arizona	78,286	100,477	113,011	113,918	153,147	163,702	186,363	175,490
Colorado	114,901	154,088	167,710	171,849	205,268	230,491	248,105	257,136
Idaho	12,796	31,163	22,884	23,242	31,917	39,011	49,910	41,739
Montana	18,905	23,397	25,361	28,611	37,488	34,262	40,921	44,755
Nevada	12,204	14,907	18,284	19,692	25,893	20,986	27,383	35,768
New Mexico	78,598	102,783	101,449	120,338	109,082	110,641	126,652	112,413
Utah	77,719	97,097	112,771	124,664	142,526	163,120	194,328	203,344
Wyoming	14,466	20,212	22,373	13,039	19,809	21,554	24,329	19,944
Pacific, total	1,189,808	1,484,992	1,659,769	1,774,161	2,050,783	2,138,490	2,466,087	2,389,816
Alaska	11,917	18,093	18,500	24,498	22,524	23,955	24,845	33,247
California	882,330	1,056,025	1,200,802	1,271,140	1,471,977	1,540,181	1,769,867	1,728,020
Hawaii	36,522	38,299	50,421	47,676	58,671	58,779	84,753	71,225
Oregon	85,300	125,405	126,494	158,692	195,602	181,597	214,803	180,424
Washington	173,739	247,170	263,552	272,155	302,009	333,978	371,819	376,900
Outlying Areas, total	163,996	201,310	234,145	274,100	298,288	251,323	262,135	263,776
Guam	2,687	2,443	6,153	5,711	11,105	4,203	4,530	4,150
Puerto Rico	156,643	191,938	219,555	259,211	278,117	240,524	250,706	249,379
American Samoa	892	2,021	625	810	1,159	768	921	1,555
Virgin Islands	2,314	1,713	2,768	2,009	4,942	3,093	3,440	3,299
Trust Territory Pac Isl	1,460	3,195	5,044	6,359	2,955	2,735	2,938	5,393

1/ Total obligations were estimated on the basis of revised data from the Department of Education.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990

Table C-3. Federal obligations to the 100 universities and colleges receiving the largest amounts: fiscal years 1983-90

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by amount received in fiscal year 1990)	1983 1/	1984	1985	1986	1987	1988	1989	1990
	Total, all institutions	9,344,618	10,039,468	10,971,593	11,619,243	13,433,783	14,066,510	15,502,301	15,204,563
1	Johns Hopkins University	331,855	401,466	448,068	465,453	528,442	592,176	612,128	616,048
2	Stanford University	152,906	179,149	203,707	203,707	225,369	236,933	272,100	280,484
3	University of Washington	134,929	171,963	183,352	178,210	202,073	220,260	246,883	263,025
4	Mass Inst of Technology	193,509	195,255	213,214	212,360	210,327	214,557	236,632	247,655
5	University of Michigan	95,902	116,566	133,679	135,186	162,681	175,968	198,199	210,453
6	Univ of Cal Los Angeles	128,718	132,382	151,180	149,345	174,488	182,461	200,090	205,843
7	Cornell University	112,868	133,136	155,831	160,138	169,259	193,134	192,077	196,461
8	Howard University	144,807	180,733	163,879	169,084	166,784	168,947	175,594	186,575
9	Univ of Cal San Francisco	86,669	97,959	114,634	119,318	144,658	164,996	177,273	186,228
10	Pennsylvania State Univ	84,190	100,189	111,342	123,818	132,192	164,692	166,561	184,948
	Total 1st 10 institutions	1,466,353	1,708,798	1,878,886	1,914,364	2,116,273	2,314,124	2,477,557	2,577,720
11	Univ of Cal San Diego	114,766	117,426	117,937	147,381	167,637	156,084	184,633	184,033
12	Univ of Wis-Madison	111,709	122,577	148,703	143,693	160,121	157,101	178,913	183,443
13	University of Minnesota	99,748	118,581	142,497	138,970	160,994	162,999	203,183	181,694
14	Columbia Univ Main Div	112,097	129,054	155,971	157,769	157,970	165,157	178,910	181,551
15	Harvard University	105,122	120,891	131,790	133,226	152,077	151,591	171,316	175,329
16	Univ of Pennsylvania	95,787	114,865	126,523	124,316	130,713	142,796	158,337	169,525
17	Yale University	99,805	118,641	133,756	129,700	152,379	154,714	168,338	164,044
18	Univ of Cal Berkeley	87,820	104,518	129,841	126,380	122,112	135,373	164,358	156,170
19	University of Pittsburgh	56,664	65,019	76,163	79,116	89,070	101,669	114,798	146,345
20	Univ of Southern Cal	68,490	97,476	102,542	112,170	120,928	117,569	134,061	144,078
	Total 1st 20 institutions	2,418,361	2,817,846	3,144,609	3,207,085	3,530,274	3,759,177	4,134,404	4,263,932
21	University of Colorado	61,100	80,075	90,793	92,702	109,561	130,414	130,430	142,413
22	Washington University	62,223	71,421	82,607	83,777	102,795	111,144	120,764	134,042
23	Duke University	63,225	72,234	81,712	81,777	98,594	105,453	122,679	131,020
24	Univ of NC at Chapel Hill	61,768	64,344	73,431	80,459	92,141	97,362	117,390	123,985
25	University of Chicago	70,612	79,112	83,957	83,262	95,144	99,707	105,402	121,378
26	Univ of Ill Urbana	82,241	84,873	99,423	104,040	138,694	112,090	120,910	121,180
27	University of Rochester	60,557	70,238	81,073	80,507	96,567	105,445	111,435	115,415
28	University of Arizona	52,738	59,849	67,080	67,009	87,546	90,728	104,241	115,217
29	Univ of Texas at Austin	61,145	69,028	78,729	77,483	81,014	89,941	87,717	109,480
30	Ohio State University	72,004	79,524	87,341	96,119	95,516	93,213	105,318	109,258
	Total 1st 30 institutions	3,065,974	3,548,544	3,970,755	4,054,220	4,527,846	4,794,674	5,260,690	5,487,320
31	Indiana University	42,464	60,298	65,013	70,589	75,887	75,562	83,969	100,284
32	University of Iowa	49,289	61,244	70,326	68,092	79,871	89,648	94,237	93,991
33	New York University	63,732	69,904	89,244	82,870	91,528	96,781	96,278	92,792
34	Michigan State University	61,122	68,541	72,795	74,979	76,270	79,119	87,914	90,711
35	Purdue University	51,657	65,750	75,413	67,307	71,346	71,636	92,160	90,518
36	Louisiana State Univ	32,769	47,207	56,926	54,065	63,203	80,586	85,408	89,406
37	Univ Alabama Birmingham	42,226	50,978	59,373	60,210	75,304	74,711	85,566	88,925
38	University of Massachusetts	35,118	42,340	66,555	70,866	77,850	85,523	92,132	87,501
39	Univ of Cal Davis	41,434	47,593	52,247	54,182	61,667	68,184	76,787	84,983
40	University of Florida	50,675	64,740	72,675	74,267	75,850	79,346	85,812	84,222
	Total 1st 40 institutions	3,536,460	4,127,139	4,651,322	4,731,647	5,276,622	5,595,770	6,140,953	6,390,653
41	Univ of MD College Park	45,940	51,767	64,646	67,514	62,327	72,963	78,765	83,268
42	Casa Western Reserve Univ	43,547	51,442	56,465	57,817	65,418	72,836	79,997	82,839
43	Vanderbilt University	36,887	41,307	47,096	50,141	62,124	67,772	74,100	82,613
44	Texas A & M University	54,205	54,738	62,003	61,920	61,776	71,401	77,655	81,898
45	University of Utah	48,766	56,451	63,837	69,102	71,609	72,742	84,810	81,793
46	University of Miami	35,439	39,423	47,726	49,347	65,227	73,064	75,381	79,896
47	Baylor Col of Medicine	37,432	42,454	49,670	51,412	59,609	67,648	74,640	78,235
48	California Inst of Tech	46,715	51,893	58,499	63,519	60,845	70,498	76,974	77,647
49	Northwestern University	42,540	54,960	74,798	65,264	64,774	65,132	72,694	76,004
50	Boston University	45,251	53,038	59,387	66,327	67,080	76,159	75,686	75,650
	Total 1st 50 institutions	3,973,182	4,624,612	5,235,449	5,334,010	5,917,411	6,305,985	6,911,655	7,190,496

See explanatory material, if any, and SOURCE, at end of table.

Table C-3. Federal obligations to the 100 universities and colleges receiving the largest amounts: fiscal years 1983-90

[Dollars in thousands]

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Institution (ranked by amount received in fiscal year 1990)	1983 1/	1984	1985	1986	1987	1988	1989	1990
Rank								
51 Yeshiva University	57,519	60,096	64,623	64,261	71,603	73,667	77,490	75,080
52 Univ of Tennessee All Cmp	46,117	50,968	59,519	55,781	61,116	64,537	64,165	73,038
53 University of Virginia	34,282	39,256	46,858	48,736	55,743	57,085	63,319	72,701
54 Utah State University	21,872	26,867	32,415	34,498	37,916	51,970	61,506	70,451
55 University of Kentucky	33,508	39,679	47,300	48,115	49,237	51,922	63,966	70,400
56 Rutgers the St Univ of NJ	29,672	42,292	45,442	39,686	43,597	50,084	61,238	68,568
57 University of Cincinnati	29,507	37,599	41,117	41,711	53,938	51,883	56,966	67,212
58 Univ of Cal Irvine	27,889	34,000	38,927	42,356	48,063	49,842	57,791	64,278
59 N C State Univ at Raleigh	34,501	40,740	45,515	45,791	48,129	51,545	64,808	63,280
60 New Mexico State Univ	39,001	39,901	40,883	54,855	45,567	52,273	58,424	61,934
Total 1st 60 institutions	4,327,050	5,036,010	5,698,048	5,809,802	6,433,120	6,860,793	7,541,328	7,877,438
61 Univ of Ill Chicago	31,382	35,344	44,368	44,825	49,716	56,737	61,391	60,405
62 U P R - Regional Col Admn	17,922	22,788	43,014	56,445	53,687	48,540	50,162	59,640
63 University of Georgia	36,977	39,723	44,092	48,437	49,184	55,824	64,993	59,219
64 Emory University	24,607	29,951	33,161	36,935	53,698	59,215	55,671	59,191
65 Oregon State University	38,814	49,249	46,154	50,152	53,775	63,542	64,527	59,048
66 Princeton University	29,446	34,503	41,091	48,805	51,224	52,604	54,695	58,764
67 Iowa State University	25,520	31,030	34,391	43,628	46,126	44,838	54,627	58,104
68 Georgia Institute of Tech	53,075	48,065	59,731	63,071	68,797	78,012	76,724	57,961
69 Carnegie-Mellon Univ	38,382	33,786	54,052	65,186	75,967	80,412	64,642	56,900
70 U Tex Sw Med Ctr - Dallas	31,768	38,425	43,495	46,132	51,827	52,771	55,192	56,419
Total 1st 70 institutions	4,654,943	5,398,874	6,141,597	6,313,419	6,987,121	7,453,288	8,143,952	8,463,089
71 Colorado State University	3,518	34,906	37,331	38,346	44,153	45,245	51,652	54,633
72 Univ of Hawaii-Manoa	30,815	30,748	42,806	38,815	39,899	45,190	63,215	54,567
73 University of Connecticut	32,732	38,136	43,004	43,379	49,089	49,792	52,304	54,319
74 Woods Hole Oceanographic Inst	32,983	41,182	33,814	37,318	35,620	35,299	69,486	53,690
75 SUNY at Stony Brook	27,737	34,340	39,068	39,805	42,514	47,247	47,247	53,323
76 Virginia Commonwealth Univ	24,841	29,798	37,706	36,164	41,172	41,607	53,290	52,409
77 Univ of Cal Santa Barbara	19,613	24,874	30,145	36,654	34,253	38,619	49,645	52,020
78 CUNY Mount Sinai Schl Med	24,914	29,331	31,054	32,198	38,437	51,488	45,244	51,910
79 VA Polytech Inst & St U	31,785	34,107	37,878	36,505	37,204	41,911	51,457	51,111
80 Gallaudet University	55,212	57,378	61,173	60,378	55,184	46,608	49,667	49,819
Total 1st 80 institutions	4,967,093	5,753,674	6,535,576	6,712,981	7,404,646	7,896,476	8,677,159	8,990,890
81 Univ of MD Balt Prof Sch	22,047	23,861	24,393	28,961	33,575	36,484	40,554	47,448
82 Oregon Hlth Sciences Univ	12,765	12,770	17,059	33,322	22,855	25,597	55,822	45,997
83 Univ of Missouri Columbia	28,725	35,263	36,552	39,373	41,993	40,767	43,503	45,855
84 Univ of Med & Dent of N J	14,578	18,344	20,662	19,310	29,951	38,904	38,932	45,383
85 SUNY at Buffalo All Cmps	19,644	23,069	27,842	28,270	36,235	39,563	44,491	44,424
86 Tufts University	26,801	31,568	38,036	40,993	43,122	39,641	42,957	43,658
87 Georgetown University	35,885	22,859	27,929	23,690	33,939	35,433	35,487	43,508
88 Rochester Inst Technology	26,438	33,173	36,582	35,653	39,567	41,740	40,318	43,032
89 Brown University	22,699	28,134	31,178	39,719	39,327	40,278	40,250	42,228
90 Inter Am U Pr-San German	55,671	51,348	57,591	57,145	80,102	61,556	53,225	41,380
Total 1st 90 institutions	5,232,346	6,034,063	6,853,400	7,059,417	7,805,312	8,296,439	9,110,698	9,433,803
91 University of Kansas	22,218	26,342	39,166	33,774	35,200	36,056	37,118	41,198
92 Temple University	22,646	29,296	33,564	32,235	36,762	37,279	39,562	40,797
93 U Tex Hlth Sci Ctr S Anto	16,127	20,698	25,933	24,274	29,956	32,682	36,954	40,094
94 Rockefeller University	26,940	31,549	37,745	35,755	38,888	39,429	37,014	37,279
95 Univ of VT & St Agric Col	19,504	27,264	28,157	29,994	33,229	46,118	34,349	36,999
96 Florida State University	16,674	18,742	21,026	28,120	32,902	33,702	36,561	36,767
97 Washington State Univ	21,792	27,364	29,614	29,772	30,916	36,760	37,068	36,685
98 Oklahoma State University	21,904	20,076	30,733	30,892	33,188	31,703	28,947	36,346
99 Puerto Rico Jr Col	26,185	26,728	29,341	38,023	38,182	33,902	34,912	36,302
100 Dartmouth College	12,907	17,171	20,072	22,916	26,363	29,221	28,398	36,294
Total 1st 100 institutions	5,439,223	6,279,293	7,146,751	7,365,172	8,140,903	8,653,491	9,461,581	9,812,564

1/ Total obligations were estimated on the basis of revised data from the Department of Education.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-4. Federal obligations to universities and colleges,
by agency and type of activity: fiscal year 1990

[Dollars in thousands]

Page 1 of 1

Agency	Total obligations	Academic science and engineering							Non-science & engineering activities
		Total academic science & engineering	Research and development	R&D plant 1/	Facilities for instruction in science & engineering	Fellowships, traineeships, & training grants	General support for science & engineering	Other science & engineering activities	
Total	15,204,563	10,461,699	9,031,047	124,841	19,241	409,871	142,532	734,167	4,742,864
Department of Agriculture	769,763	762,026	349,121	45,091	0	7,832	0	359,982	7,737
Department of Commerce	115,648	110,391	97,251	71	4,538	673	1,037	6,821	5,257
Department of Defense, total	1,342,190	1,342,190	1,196,878	0	0	100	0	145,212	0
Army	168,190	168,190	167,520	0	0	0	0	670	0
Navy	776,506	776,506	631,937	0	0	100	0	144,469	0
Air Force	234,951	234,951	234,878	0	0	0	0	73	0
Other DOD	162,543	162,543	162,543	0	0	0	0	0	0
Department of Education	4,656,709	240,924	71,301	0	0	28,444	28,739	112,440	4,415,785
Department of Energy	472,562	571,719	512,376	57,209	0	1,613	521	0	843
Environmental Protection Agency	93,692	93,622	87,104	0	0	3,466	3,052	0	0
Department of Health & Human Services ..	5,506,001	5,214,535	4,774,514	13,656	0	304,940	102,221	19,204	291,466
National Institutes of Health	4,530,087	4,530,087	4,141,165	13,656	0	254,069	102,221	18,976	0
Health Resources and Services Administration	269,761	13,701	9,110	0	0	4,591	0	0	256,060
Alcohol, Drug Abuse, and Mental Health Administration	575,888	553,516	525,184	0	0	28,104	0	228	22,372
Centers for Disease Control	51,504	40,523	29,632	0	0	10,891	0	0	10,981
Food and Drug Administration	7,568	7,568	7,568	0	0	0	0	0	0
Administration for Children & Families	20,192	20,192	17,529	0	0	2,663	0	0	0
Health Care Financing Administration	7,414	7,414	7,414	0	0	0	0	0	0
Social Security Administration	4,102	4,102	4,102	0	0	0	0	0	0
Office of the Assistant Secretary for Health	2,209	565	565	0	0	0	0	0	1,644
Agency for Toxic Substances & Disease Registry	503	94	94	0	0	0	0	0	409
Indian Health Service	2,277	2,277	0	0	0	2,277	0	0	0
Agency for Health Care Policy Research	33,579	33,579	31,234	0	0	2,345	0	0	0
Other DHHS	917	917	917	0	0	0	0	0	0
Department of Housing and Urban Development	115	100	100	0	0	0	0	0	15
Department of the Interior	74,578	60,460	57,755	0	0	9	2,696	0	14,118
Agency for International Development ..	47,389	47,389	47,389	0	0	0	0	0	0
Department of Labor	11,293	8,638	8,638	0	0	0	0	0	2,655
National Aeronautics and Space Administration	511,250	511,250	470,746	1,345	0	21,696	0	17,463	0
National Science Foundation	1,445,079	1,445,079	1,304,613	7,469	14,703	40,983	4,266	73,045	0
Nuclear Regulatory Commission	4,626	4,626	4,626	0	0	0	0	0	0
Department of Transportation	53,738	48,750	48,635	0	0	115	0	0	4,986

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-5. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, and type of activity: fiscal year 1990

[Dollars in thousands]

Page 1 of 3

Geographic division and State		Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
United States, total	amt no.	15,204,563 2,456	10,461,699 1,077	9,031,047 773	124,841 110	19,241 302	409,871 476	142,532 447	734,167 404	4,742,864 2,340
New England, total	amt no.	1,320,297 209	1,079,315 91	971,451 67	18,544 11	1,098 23	52,301 34	9,154 37	26,767 37	240,982 203
Connecticut	amt no.	244,813 39	211,620 16	189,462 13	1,297 2	199 4	13,714 6	1,966 4	4,982 6	33,193 39
Maine	amt no.	43,585 25	14,524 10	10,197 8	0 0	435 5	234 3	77 3	3,581 4	29,061 24
Massachusetts	amt no.	827,049 94	701,823 48	635,891 36	16,091 7	315 9	34,530 15	5,724 21	9,272 18	125,226 90
New Hampshire	amt no.	70,324 20	56,562 7	52,306 4	0 0	43 1	1,378 5	452 3	2,303 3	13,762 19
Rhode Island	amt no.	81,925 10	58,054 3	51,828 3	797 1	14 1	1,392 2	600 3	3,423 3	23,871 10
Vermont	amt no.	52,601 21	36,732 7	31,687 3	359 1	92 3	1,053 3	335 3	3,206 3	15,969 21
Middle Atlantic, total	amt no.	2,298,741 402	1,705,757 163	1,527,908 129	12,088 16	2,810 51	68,892 61	19,324 68	74,735 52	592,984 381
New Jersey	amt no.	230,188 42	154,522 16	139,264 11	396 2	193 3	6,121 7	1,449 4	7,099 9	75,666 42
New York	amt no.	1,277,984 234	962,700 100	851,970 79	9,444 9	1,700 30	39,266 40	12,694 49	47,626 29	315,284 216
Pennsylvania	amt no.	790,569 126	588,535 47	536,674 39	2,248 5	917 18	23,505 14	5,181 15	20,010 14	202,034 123
East North Central, total	amt no.	2,145,079 349	1,385,925 149	1,215,092 112	12,887 16	2,502 60	57,369 48	18,922 53	79,153 45	759,154 338
Illinois	amt no.	586,019 109	405,497 40	351,598 28	1,926 7	470 10	18,531 15	5,629 16	27,343 14	180,522 108
Indiana	amt no.	271,864 48	160,007 15	138,349 11	2,527 3	437 10	4,691 4	1,614 4	12,389 4	111,857 47
Michigan	amt no.	464,864 56	312,445 25	274,276 20	5,316 2	667 11	15,687 6	3,554 10	12,945 8	152,419 54
Ohio	amt no.	490,328 89	282,328 38	252,157 33	239 3	326 14	9,361 12	5,499 16	14,746 12	208,000 85
Wisconsin	amt no.	332,004 47	225,648 31	198,712 20	2,879 1	602 15	9,099 11	2,626 7	11,730 7	106,356 44
West North Central, total	amt no.	1,053,935 252	639,395 101	519,970 64	20,732 9	1,621 34	26,724 47	7,513 32	62,835 29	414,540 242
Iowa	amt no.	199,314 44	130,525 17	106,735 10	5,965 2	335 8	4,711 5	1,339 5	11,440 3	68,789 42
Kansas	amt no.	104,321 29	59,567 13	44,005 8	2,974 2	91 4	1,393 5	728 5	10,376 3	44,754 27
Minnesota	amt no.	264,550 57	163,315 21	141,748 12	790 1	874 14	7,112 7	2,445 7	10,346 4	101,235 55
Missouri	amt no.	288,256 62	197,687 18	169,883 16	0 0	134 1	12,211 7	1,649 8	13,810 9	90,569 61
Nebraska	amt no.	78,377 27	41,717 11	29,379 8	2,873 1	66 4	616 5	1,018 3	7,765 3	36,660 25
North Dakota	amt no.	75,436 14	34,992 8	22,429 3	6,501 2	10 1	554 6	317 3	5,181 2	40,444 14
South Dakota	amt no.	43,681 19	11,592 13	5,791 7	1,629 1	111 2	127 12	17 1	3,917 5	32,089 18

See explanatory material, if any, and SOURCE, at end of table.

Table C-5. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, and type of activity: fiscal year 1990

[Dollars in thousands]

Page 2 of 3

Geographic division and State		Total, all activi- ties	Academic science and engineering						Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
South Atlantic, total	amt no.	2,762,192 397	1,908,968 180	1,579,151 134	8,266 16	1,668 45	60,556 86	27,222 84	232,105 60	853,224 378
Delaware	amt no.	31,393 6	21,401 3	17,922 2	0 0	76 1	569 2	647 3	2,187 2	9,992 6
District of Columbia	amt no.	326,093 13	92,498 7	78,658 7	700 1	79 2	2,585 7	5,055 7	5,421 5	233,595 13
Florida	amt no.	348,458 61	208,862 24	181,474 19	1,722 2	393 7	7,372 11	3,721 12	14,180 11	139,596 58
Georgia	amt no.	294,322 62	200,025 21	175,024 19	1,598 2	195 4	5,386 15	3,851 11	13,971 6	94,297 59
Maryland	amt no.	805,554 44	745,455 27	589,856 21	943 3	112 4	16,591 9	2,285 10	135,668 7	60,099 40
North Carolina	amt no.	465,915 76	353,878 31	305,255 21	1,194 4	230 6	16,095 20	5,772 18	24,532 9	112,037 73
South Carolina	amt no.	120,735 42	59,244 20	42,705 15	9 1	172 9	1,340 7	1,702 6	13,316 4	61,491 38
Virginia	amt no.	297,855 67	195,543 32	166,017 22	663 2	376 10	8,652 12	3,836 14	15,999 11	102,312 66
West Virginia	amt no.	71,867 26	32,062 15	22,240 8	1,437 1	35 2	1,166 3	353 3	6,831 5	39,805 25
East South Central, total	amt no.	842,960 203	439,378 72	337,887 44	9,521 7	5,225 20	17,902 34	12,074 34	56,769 29	403,582 199
Alabama	amt no.	277,316 70	154,717 22	129,701 11	0 0	142 6	7,126 12	3,884 13	13,864 7	122,599 69
Kentucky	amt no.	144,600 37	58,136 11	38,185 9	652 2	4,728 5	951 5	744 4	12,876 4	86,464 37
Mississippi	amt no.	144,588 31	62,393 17	36,277 9	8,269 2	95 3	2,223 8	2,264 8	13,265 9	82,195 29
Tennessee	amt no.	276,456 65	164,132 22	133,724 15	600 3	260 6	7,602 9	5,182 9	16,764 9	112,324 64
West South Central, total	amt no.	1,237,178 201	730,016 114	598,177 78	14,918 8	1,333 21	19,296 61	14,450 48	81,842 53	507,162 190
Arkansas	amt no.	100,948 28	36,237 15	23,586 10	647 1	199 2	611 4	1,158 5	10,036 7	64,711 28
Louisiana	amt no.	222,509 21	94,798 14	69,265 13	9,865 1	145 3	1,660 7	2,937 7	10,926 9	127,711 20
Oklahoma	amt no.	132,585 39	52,318 23	35,866 8	448 2	57 2	1,611 20	608 4	13,728 6	80,267 36
Texas	amt no.	781,136 113	546,663 62	469,460 47	3,958 4	932 14	15,414 30	9,747 32	47,152 31	234,473 106
Mountain, total	amt no.	890,589 127	597,495 70	533,129 42	2,391 10	525 18	15,299 37	8,227 25	37,924 35	293,094 113
Arizona	amt no.	175,490 24	128,716 17	115,683 5	1,209 3	83 2	3,664 10	1,837 6	6,240 6	48,774 17
Colorado	amt no.	257,136 38	186,245 14	168,905 13	525 2	143 5	6,507 5	2,133 4	8,032 6	70,891 36
Idaho	amt no.	41,739 10	15,080 6	10,381 4	213 1	16 1	4 2	83 1	4,383 4	26,659 9
Montana	amt no.	44,755 18	19,224 11	13,041 4	316 2	61 2	269 7	788 3	4,749 7	25,531 18
Nevada	amt no.	35,768 9	24,782 5	23,111 4	77 1	12 1	133 2	160 1	1,289 1	10,986 7
New Mexico	amt no.	112,413 11	76,436 7	69,397 5	0 0	126 2	1,679 8	1,916 4	3,318 8	38,977 11

See explanatory material, if any, and SOURCE, at end of table.

Table C-5. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division and State	Total, all activities	Academic science and engineering								Non- science and engi- neering
		Total academic science and engi- neering	Research develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, train- eeships, and training grants	General support science and engi- neering	Other science and engi- neering		
Mountain, cont'd										
Utah	amt no.	203,344 13	135,140 7	122,000 4	51 1	84 2	2,997 5	1,274 5	7,054 5	68,204 13
Wyoming	amt no.	19,944 4	11,072 3	9,731 3	0 0	0 0	46 1	36 1	2,059 1	8,072 2
Pacific, total	amt no.	2,389,816 278	1,933,979 117	1,726,488 89	25,494 17	2,305 30	90,329 62	19,731 54	69,632 51	455,837 258
Alaska	amt no.	33,247 0	26,976 5	25,060 5	83 1	0 0	48 2	219 2	1,566 2	6,271 7
California	amt no.	1,720,020 179	1,440,201 69	1,317,370 54	10,104 10	1,612 19	72,572 37	12,796 32	33,827 29	279,739 164
Hawaii	amt no.	71,225 13	55,990 3	48,276 3	1,241 1	0 0	997 2	1,643 2	3,833 2	15,235 12
Oregon	amt no.	180,424 33	124,384 17	95,772 15	10,340 2	282 5	2,611 7	1,023 9	13,556 8	56,040 30
Washington	amt no.	376,900 45	276,348 23	240,010 12	3,726 3	411 6	14,101 14	3,250 9	16,050 10	98,552 45
Outlying Areas, total	amt no.	263,776 38	41,471 20	21,794 14	0 0	154 3	1,203 6	5,915 12	12,405 13	222,305 38
Guam	amt no.	4,150 2	3,091 1	1,320 1	0 0	0 0	0 0	211 1	1,560 1	1,059 2
Puerto Rico	amt no.	249,379 31	33,264 15	18,000 9	0 0	129 2	1,203 6	5,414 9	8,518 8	216,115 31
American Samoa	amt no.	1,555 1	1,223 1	592 1	0 0	25 1	0 0	60 1	546 1	332 1
Virgin Islands	amt no.	3,299 1	2,058 1	1,053 1	0 0	0 0	0 0	230 1	775 1	1,241 1
Trust Territory Pac Isl	amt no.	5,393 3	1,835 2	829 2	0 0	0 0	0 0	0 0	1,006 2	3,558 3

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-6. Federal obligations to universities and colleges,
by geographic division, State, and agency: fiscal year 1990

[Dollars in thousands]

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Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	15,204,563	769,763	115,648	1,342,190	4,656,709	572,562	93,622	5,506,001	74,578	511,250	1,445,079	117,161
New England, total	1,320,297	40,622	16,470	125,315	240,146	90,785	8,691	565,653	2,987	42,939	177,053	9,636
Connecticut	244,813	4,234	3,905	8,511	33,862	10,532	368	163,640	104	1,198	18,244	215
Maine	43,585	5,760	2,254	226	29,095	77	1,082	1,678	728	250	2,388	45
Massachusetts	827,049	18,721	4,938	103,282	123,298	74,205	5,757	323,264	1,002	29,769	134,482	8,331
New Hampshire	70,324	3,682	2,663	2,712	13,532	1,281	853	29,767	256	9,301	6,114	163
Rhode Island	81,925	2,600	2,710	10,227	25,211	4,102	617	18,365	753	2,305	14,216	819
Vermont	52,601	5,625	0	355	15,148	588	14	28,939	144	116	1,609	63
Middle Atlantic, total	2,298,741	51,624	9,765	193,871	584,087	77,155	13,850	1,033,440	6,259	40,978	278,183	9,529
New Jersey	230,188	8,439	2,186	18,092	72,741	8,277	3,876	78,176	305	5,057	32,749	290
New York	1,277,984	22,793	6,743	56,379	309,042	49,032	6,013	626,219	2,281	21,453	175,423	2,606
Pennsylvania	790,569	20,392	836	119,400	202,304	19,846	3,961	329,045	3,673	14,468	70,011	6,633
East North Central, total	2,145,079	103,727	7,361	101,390	760,144	90,222	13,981	709,276	3,430	65,790	259,563	30,195
Illinois	586,019	20,910	1,918	34,940	185,094	37,646	2,246	190,587	764	12,109	95,818	3,987
Indiana	271,864	18,634	115	5,564	113,468	15,247	1,647	66,495	439	3,644	39,698	6,913
Michigan	464,864	27,382	1,804	16,654	151,946	13,091	2,744	177,224	712	14,506	53,212	5,589
Ohio	490,328	19,257	1,059	36,446	202,274	5,918	5,484	153,988	680	22,092	32,156	10,974
Wisconsin	332,004	17,544	2,465	7,786	107,362	18,320	1,860	120,982	835	13,439	38,679	2,732
West North Central, total	1,053,935	122,106	5,795	19,369	403,287	21,042	5,034	379,708	10,335	13,822	62,277	11,160
Iowa	199,314	28,300	3,357	3,126	65,521	1,383	722	77,475	599	4,936	12,012	1,883
Kansas	104,321	14,728	291	1,465	48,617	2,504	1,681	25,043	314	1,329	6,168	2,181
Minnesota	264,550	17,054	841	10,101	98,383	4,658	1,490	105,128	845	3,247	22,541	262
Missouri	288,256	21,200	215	3,266	90,146	3,267	243	149,843	2,176	3,198	14,579	123
Nebraska	78,377	15,848	387	829	34,706	322	72	18,166	562	678	3,860	2,947
North Dakota	75,436	17,297	604	552	37,562	8,908	826	2,457	2,539	62	1,134	3,495
South Dakota	43,681	7,679	100	30	28,352	0	0	1,596	3,300	372	1,983	269
South Atlantic, total	2,762,192	133,804	21,087	502,069	840,487	74,988	20,386	901,025	8,253	74,019	163,849	22,225
Delaware	31,393	4,230	1,345	2,020	11,189	1,000	275	4,948	223	1,096	5,067	0
District of Columbia	326,093	2,049	374	7,835	237,884	1,436	729	59,659	112	5,206	9,690	1,119
Florida	348,458	19,124	4,737	19,495	133,148	17,860	2,671	108,809	1,345	9,541	29,180	2,548
Georgia	294,322	23,628	1,664	42,680	85,536	17,048	2,269	90,958	589	5,946	20,119	3,877
Maryland	805,554	11,812	4,280	393,327	61,411	10,949	1,967	261,696	414	23,718	32,946	3,034
North Carolina	465,915	28,438	933	18,354	108,825	7,459	7,249	245,445	651	7,831	35,355	4,375
South Carolina	220,735	15,303	3,720	3,435	58,822	1,526	1,241	27,571	280	1,007	7,627	203
Virginia	297,855	18,921	3,679	14,704	103,392	12,432	2,042	93,675	2,105	18,292	22,497	6,116
West Virginia	71,967	10,299	355	211	39,280	5,278	1,943	8,264	2,534	1,382	1,368	953
East South Central, total	842,960	93,709	6,936	22,210	386,983	25,247	1,892	237,978	4,538	32,284	28,041	3,142
Alabama	277,316	21,721	335	12,926	116,833	2,786	433	87,702	830	24,250	7,408	2,092
Kentucky	144,600	21,023	4,660	554	82,006	3,270	336	25,449	653	1,048	5,424	177
Mississippi	144,588	30,609	1,864	1,927	83,194	5,153	32	12,711	2,039	1,660	4,976	423
Tennessee	276,456	20,356	77	6,803	104,950	14,038	1,091	112,116	1,016	5,326	10,233	450
West South Central, total	1,237,178	94,132	10,358	80,071	490,472	47,714	7,967	381,269	3,308	35,154	71,378	15,357
Arkansas	100,948	16,806	350	729	65,691	1,125	186	10,712	171	204	1,926	3,048
Louisiana	222,509	15,005	3,162	2,676	121,742	12,162	2,707	53,035	1,341	1,225	6,819	2,635
Oklahoma	132,585	15,000	950	4,463	78,549	6,522	700	16,500	386	2,940	6,108	467
Texas	781,136	47,321	5,894	72,203	224,490	27,905	4,374	301,022	1,410	30,785	56,525	9,207
Mountain, total	890,589	45,636	12,632	93,563	282,718	30,500	12,345	233,701	17,736	60,665	97,040	4,053
Arizona	175,490	6,038	360	11,320	42,756	3,821	625	56,036	5,942	20,987	26,304	1,301
Colorado	257,136	9,811	10,396	13,929	66,654	7,237	2,125	95,450	1,352	16,679	32,166	1,337
Idaho	41,739	6,501	80	380	27,742	101	321	1,248	1,449	1,726	1,428	763
Montana	44,755	6,088	100	239	23,529	51	1,073	3,644	4,162	447	5,311	111
Nevada	35,768	2,684	1,553	154	9,999	3,488	6,818	4,552	1,775	291	4,365	89
New Mexico	112,413	5,670	143	18,122	33,190	9,999	264	17,268	337	18,204	9,205	11
Utah	203,344	5,378	0	48,377	71,092	5,479	1,049	53,972	2,157	2,072	13,678	351
Wyoming	19,944	3,466	0	1,042	7,756	324	70	1,531	562	259	4,583	351
Pacific, total	2,389,816	66,383	24,310	203,770	447,783	114,882	9,473	1,045,497	17,420	145,315	303,184	11,799
Alaska	33,247	2,553	3,961	270	6,428	1,092	100	766	547	7,682	9,848	0
California	1,728,020	25,972	5,689	161,810	273,576	87,158	6,085	802,384	11,209	120,759	226,613	6,765
Hawaii	71,225	7,714	6,776	4,111	13,896	1,979	0	13,546	764	6,930	12,946	2,563
Oregon	180,424	14,256	2,639	8,532	59,002	14,321	1,452	54,143	3,389	2,361	19,434	895
Washington	376,900	15,888	5,245	29,047	94,881	10,332	1,836	174,658	1,511	7,583	34,343	1,576
Outlying Areas, total	263,776	18,020	936	562	220,602	27	3	18,454	312	284	4,511	65
Guam	4,150	1,788	58	0	1,122	0	0	1,021	104	0	57	0
Puerto Rico	249,379	11,632	721	562	214,569	27	3	17,015	104	284	4,397	65
American Samoa	1,555	1,073	0	0	427	0	0	30	0	0	25	0
Virgin Islands	3,299	1,692	0	0	1,146	0	0	325	104	0	32	0
Trust Territory Pac Isl	5,393	1,835	157	0	3,338	0	0	63	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and HRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990

Table C-7. Federal obligations to the 100 universities and colleges receiving the largest amounts, by type of activity: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by total Federal obligations)	Total, all activities	Academic science and engineering						Non-science and engineering	
			Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering		Other science and engineering
	Total, all institutions	15,204,563	10,461,699	9,031,047	124,841	19,241	409,871	142,532	734,167	4,742,864
	1 Johns Hopkins University	616,048	609,637	470,935	391	0	14,724	1,053	122,534	6,411
	2 Stanford University	280,484	273,508	247,992	6,336	0	16,083	605	2,492	6,976
	3 University of Washington	263,025	243,774	217,291	1,083	0	13,579	2,267	9,554	19,251
	4 Mass Inst of Technology	247,655	242,375	218,318	12,841	0	9,467	874	875	5,280
	5 University of Michigan	210,453	194,032	176,620	2,056	25	32,939	1,736	662	16,421
	6 Univ of Cal Los Angeles	205,843	188,411	176,735	368	0	8,501	1,148	1,659	17,432
	7 Cornell University	196,461	185,353	144,749	2,009	45	8,143	782	29,625	11,108
	8 Howard University	186,575	20,613	15,541	0	45	1,139	3,373	515	165,962
	9 Univ of Cal San Francisco	186,228	180,398	167,270	184	0	10,989	1,547	408	5,830
	10 Pennsylvania State Univ	184,948	156,037	136,754	241	28	2,035	1,074	15,985	28,911
	Total 1st 10 institutions	2,577,720	2,294,138	1,972,205	25,509	143	97,599	14,453	184,229	283,582
	11 Univ of Cal San Diego	184,033	175,266	165,224	135	54	8,738	837	278	8,767
	12 Univ of Wis-Madison	183,443	177,092	155,175	2,879	0	7,436	2,093	9,509	6,351
	13 University of Minnesota	181,694	157,207	137,495	790	41	7,000	1,939	9,942	24,487
	14 Columbia Univ Main Div	181,551	167,167	153,171	3,385	0	8,472	862	1,277	14,384
	15 Harvard University	175,329	166,225	148,055	229	0	16,754	619	568	9,104
	16 Univ of Pennsylvania	169,525	157,374	142,509	884	0	11,991	1,767	303	12,151
	17 Yale University	164,044	158,034	142,483	1,277	0	11,869	1,104	1,801	6,010
	18 Univ of Cal Berkeley	156,170	142,197	123,983	0	0	12,812	798	4,504	13,873
	19 University of Pittsburgh	146,345	121,254	114,262	989	160	3,727	597	1,519	25,091
	20 Univ of Southern Cal	144,078	129,396	122,734	1,688	0	3,977	423	574	14,682
	Total 1st 20 institutions	4,263,932	3,845,350	3,377,296	37,685	398	190,175	25,492	214,304	418,582
	21 University of Colorado	142,413	125,571	116,449	318	23	5,176	1,072	2,533	16,842
	22 Washington University	134,042	129,021	117,907	0	0	10,364	462	358	5,011
	23 Duke University	131,020	125,861	116,109	376	0	6,390	964	2,022	5,159
	24 Univ of NC at Chapel Hill	123,985	114,020	100,183	657	0	7,092	1,600	4,488	9,965
	25 University of Chicago	121,378	116,636	104,074	55	0	10,360	1,434	773	4,742
	26 Univ of Ill Urbana	121,180	120,898	99,742	1,510	0	2,543	271	16,832	282
	27 University of Rochester	115,415	110,524	102,453	913	0	4,818	479	1,861	4,891
	28 University of Arizona	115,217	102,069	92,824	629	0	2,925	775	4,916	13,148
	29 Univ of Texas at Austin	109,480	109,231	93,401	0	0	2,025	320	13,485	249
	30 Ohio State University	109,258	94,206	80,401	105	0	1,109	1,078	11,513	15,052
	Total 1st 30 institutions	5,487,320	4,993,397	4,400,839	42,248	421	242,857	33,947	273,085	493,923
	31 Indiana University	100,284	68,002	61,435	476	51	2,828	962	2,250	32,282
	32 University of Iowa	93,991	82,704	76,762	655	0	3,742	857	688	11,287
	33 New York University	92,792	80,795	75,749	0	0	3,550	554	942	11,997
	34 Michigan State University	90,711	73,686	56,619	3,260	0	1,858	444	11,505	17,025
	35 Purdue University	90,518	76,761	63,167	1,589	0	1,459	555	9,991	13,757
	36 Louisiana State Univ	89,406	59,592	40,886	9,865	80	497	423	7,841	29,814
	37 Univ Alabama Birmingham	88,925	78,952	74,529	0	0	3,734	490	199	9,973
	38 University of Massachusetts	87,501	73,482	66,811	0	0	1,389	797	4,485	14,019
	39 Univ of Cal Davis	84,983	72,093	68,952	259	0	1,909	460	513	12,890
	40 University of Florida	84,222	69,207	56,063	1,652	0	2,610	498	8,384	15,015
	Total 1st 40 institutions	6,390,653	5,728,671	5,041,812	60,004	552	266,433	39,987	319,883	661,982
	41 Univ of MD College Park	83,268	76,607	64,723	384	0	572	401	10,527	6,661
	42 Case Western Reserve Univ	82,839	77,215	71,263	78	0	5,020	808	46	5,624
	43 Vanderbilt University	82,613	79,812	70,585	0	0	5,536	1,302	2,389	2,801
	44 Texas A & M University	81,898	69,374	47,221	3,460	34	1,123	187	17,349	12,524
	45 University of Utah	81,793	69,261	65,250	0	0	2,425	757	829	12,532
	46 University of Miami	79,896	67,130	63,707	0	0	1,782	472	1,169	12,766
	47 Baylor Col of Medicine	78,235	76,110	72,260	0	0	2,025	543	1,282	2,125
	48 California Inst of Tech	77,647	77,647	69,228	521	0	4,150	152	3,596	0
	49 Northwestern University	76,004	68,236	61,100	104	0	2,858	1,440	2,734	7,768
	50 Boston University	75,650	65,233	59,380	686	0	3,903	661	603	10,417
	Total 1st 50 institutions	7,190,496	6,455,296	5,686,529	65,237	586	295,827	46,710	360,407	735,200

See explanatory material, if any, and SOURCE, at end of table.

Table C-7. Federal obligations to the 100 universities and colleges receiving the largest amounts, by type of activity: fiscal year 1990

(\$Dollars in thousands)

Page 2 of 2

Rank	Institution (ranked by total Federal obligations)	Total, all activities	Academic science and engineering						Non-science and engineering	
			Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering		Other science and engineering
51	Yeshiva University	75,080	72,509	67,045	0	34	4,677	751	2	2,571
52	Univ of Tennessee All Cmp	73,038	58,126	44,759	118	103	1,038	779	11,329	14,912
53	University of Virginia	72,701	66,690	60,796	90	0	4,627	627	550	8,011
54	Utah State University	70,451	60,376	52,713	51	0	497	409	8,706	10,075
55	University of Kentucky	70,400	45,769	29,375	469	4,459	561	392	10,513	24,631
56	Rutgers the St Univ of NJ	68,568	52,533	44,642	86	0	1,368	667	5,770	16,035
57	University of Cincinnati	67,212	43,746	38,674	0	0	2,092	2,617	363	23,466
58	Univ of Cal Irvine	64,278	57,166	53,429	120	0	1,887	1,002	728	7,112
59	N C State Univ at Raleigh	63,280	58,497	43,466	30	0	1,076	181	13,744	4,783
60	New Mexico State Univ	61,934	49,161	45,177	0	0	634	481	2,869	12,773
Total 1st 60 institutions		7,077,438	7,019,869	6,166,605	66,201	5,182	314,284	54,616	412,981	857,569
61	Univ of Ill Chicago	60,405	45,988	42,293	10	0	1,416	388	1,881	14,417
62	U P R - Regional Cal Adm	59,640	37,373	37,373	0	0	0	0	0	59,267
63	University of Georgia	59,219	53,817	39,767	1,472	0	798	500	11,280	5,402
64	Emory University	57,191	51,169	49,581	0	0	1,270	318	0	8,022
65	Oregon State University	57,048	50,845	44,542	0	0	780	671	4,932	8,203
66	Princeton University	56,764	55,366	50,474	310	0	4,091	252	239	3,398
67	Iowa State University	56,104	45,647	28,915	5,310	0	628	122	10,672	12,457
68	Georgia Institute of Tech	57,961	56,303	54,271	0	58	1,034	377	563	1,658
69	Carnegie-Mellon Univ	56,900	52,344	50,025	189	0	1,429	191	510	4,556
70	U Tex Sw Med Ctr - Dallas	56,419	54,637	50,504	0	0	2,882	894	357	1,782
Total 1st 70 institutions		8,463,089	7,486,358	6,577,350	73,492	5,240	328,532	58,329	443,415	976,731
71	Colorado State University	54,633	47,211	40,820	207	0	1,146	636	4,402	7,422
72	Univ of Hawaii-Manoa	54,567	46,434	40,049	1,241	0	956	435	3,753	8,133
73	University of Connecticut	54,319	49,185	43,589	0	0	1,901	648	3,047	5,134
74	Woods Hole Oceanographic Inst	53,690	53,690	50,781	1,832	0	50	61	996	0
75	SUNY at Stony Brook	53,323	50,890	45,888	2,895	0	1,084	819	224	2,433
76	Virginia Commonwealth Univ	52,409	45,376	42,878	0	0	1,711	388	599	7,033
77	Univ of Cal Santa Barbara	52,020	45,373	41,661	28	0	466	650	2,568	6,847
78	CUNY Mount Sinai Schl Med	51,910	46,208	43,954	0	0	2,047	207	0	5,702
79	VA Polytech Inst & St U	51,111	44,248	32,239	873	0	677	156	10,603	6,863
80	Gallaudet University	49,819	4,457	3,812	0	0	83	12	550	45,362
Total 1st 80 institutions		8,990,890	7,919,430	6,962,771	80,268	5,240	338,653	62,341	470,157	1,071,460
81	Univ of MD Balt Prof Sch	47,448	42,798	41,100	168	0	813	278	639	4,550
82	Oregon Hlth Sciences Univ	45,997	42,403	25,344	10,000	0	804	667	5,588	3,594
83	Univ of Missouri Columbia	45,855	37,393	25,258	0	0	1,212	341	10,582	8,462
84	Univ of Med & Dent of N J	45,383	39,183	38,066	0	0	509	488	120	6,200
85	SUNY at Buffalo All Cmps	44,424	42,708	36,291	0	0	682	731	5,004	1,716
86	Tufts University	43,658	41,174	39,142	345	0	1,169	305	213	2,484
87	Georgetown University	43,508	32,158	28,740	700	0	792	633	1,293	11,350
88	Rochester Inst Technology	43,032	2,140	1,806	0	399	0	0	25	40,892
89	Brown University	42,228	37,107	33,342	797	0	1,351	406	1,211	5,121
90	Inter Am U Pr-San German	41,380	386	0	0	29	0	263	94	40,994
Total 1st 90 institutions		9,433,803	8,236,880	7,231,860	92,278	5,578	345,785	66,453	494,926	1,196,923
91	University of Kansas	41,198	32,713	27,212	101	0	1,187	517	3,696	8,485
92	Temple University	40,797	28,545	26,090	0	0	1,344	371	732	12,252
93	U Tex Hlth Sci Ctr S Anto	40,094	36,283	33,306	86	0	1,357	741	793	3,811
94	Rockefeller University	37,276	37,279	35,423	70	0	1,439	347	0	0
95	Univ of VT & St Agric Col	36,999	25,305	31,402	359	0	1,025	256	2,263	1,694
96	Florida State University	36,767	29,152	27,531	70	0	237	548	766	7,615
97	Washington State Univ	36,685	28,556	20,550	2,045	0	395	271	5,295	8,129
98	Oklahoma State University	36,346	25,586	15,052	287	0	395	57	9,795	10,760
99	Puerto Rico Jr Col	36,302	0	0	0	0	0	0	0	36,302
100	Dartmouth College	36,294	32,994	31,409	0	0	1,125	202	258	3,300
Total 1st 100 institutions		9,812,564	8,523,293	7,479,843	95,296	5,578	354,289	69,763	518,524	1,289,271

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-6. Federal obligations to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

(Dollars in thousands)

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	NIH	Int	NASA	NSF	Other 1/
Total, all institutions		15,204,563	769,763	115,048	1,342,190	4,456,709	572,962	93,622	5,506,001	74,578	911,230	1,445,079	117,161
1	Johns Hopkins University	616,046	154	295	378,231	8,401	3,325	353	209,400	0	4,920	9,733	2,148
2	Stanford University	280,484	0	30	37,961	8,574	23,028	2,298	126,490	267	49,184	33,052	0
3	University of Washington	263,025	2,404	5,138	27,464	13,130	8,237	1,283	187,097	1,290	7,128	28,489	1,417
4	Mass Inst of Technology	247,555	0	2,791	49,909	5,623	59,693	539	58,633	341	21,415	45,721	3,090
5	University of Michigan	210,453	1,109	1,580	11,853	16,339	8,736	2,157	128,658	166	10,428	27,048	2,374
6	Univ of Cal Los Angeles	205,843	180	78	9,438	15,601	18,075	81	134,255	0	7,300	20,311	519
7	Cornell University	194,461	21,730	382	13,850	11,344	4,445	1,293	79,632	445	8,854	65,194	1,298
8	Howard University	186,575	110	53	912	170,125	128	122	8,213	0	1,275	5,438	199
9	Univ of Cal San Francisco	184,228	0	0	2,110	0	3,622	160	177,194	0	953	2,189	0
10	Pennsylvania State Univ	184,948	19,698	418	87,816	25,687	3,909	480	33,842	3,180	8,049	15,870	3,001
Total 1st 10 institutions		2,577,720	45,394	10,749	598,742	278,126	142,198	8,744	1,114,502	5,689	116,504	253,004	14,644
11	Univ of Cal San Diego	184,033	325	564	21,844	5,842	4,213	138	106,091	652	12,736	29,460	388
12	Univ of Wis-Madison	183,443	17,191	144	4,990	3,140	15,376	1,255	94,834	227	12,604	32,798	74
13	University of Minnesota	181,694	17,022	741	10,101	20,820	4,650	1,490	103,205	516	3,202	19,449	262
14	Columbia Univ Main Div	181,551	5	736	10,075	11,917	7,047	480	111,396	1,487	5,498	32,810	100
15	Harvard University	175,329	0	65	7,021	7,938	5,548	953	128,788	229	3,085	22,302	2,619
16	Univ of Pennsylvania	169,525	303	81	11,008	12,149	6,808	6	123,224	0	496	14,937	513
17	Yale University	164,044	279	30	6,274	22,457	9,647	182	130,119	0	905	11,380	0
18	Univ of Cal Berkeley	156,170	9,150	0	10,529	22,457	4,362	1,814	45,818	603	19,410	39,673	3,445
19	University of Pittsburgh	145,245	52	63	11,370	25,665	2,624	2,478	91,788	0	1,998	9,264	44
20	Univ of Southern Cal	144,078	0	684	38,184	12,607	1,428	727	74,248	161	5,454	10,465	120
Total 1st 20 institutions		4,263,932	89,721	13,959	730,140	408,093	194,918	16,986	2,120,610	9,940	182,692	475,782	21,591
21	University of Colorado	142,413	179	8,104	6,765	12,105	4,277	1,132	75,852	96	12,051	29,839	283
22	Washington University	134,042	399	0	3,122	5,323	1,732	100	114,101	0	2,742	5,523	0
23	Duke University	131,020	510	167	5,248	3,437	4,362	1,868	103,583	0	787	11,360	0
24	Univ of NC at Chapel Hill	123,985	115	52	3,866	10,221	810	3,006	96,344	48	528	9,387	0
25	University of Chicago	121,378	0	193	2,370	5,900	19,682	0	69,068	5	6,153	10,027	0
26	Univ of Ill Urbana	121,180	19,654	0	14,988	499	12,623	810	18,548	319	4,003	48,814	971
27	University of Rochester	115,418	117	0	6,736	3,264	17,222	0	77,611	0	213	10,252	0
28	University of Arizona	115,217	5,762	290	8,058	11,965	2,452	409	49,915	695	18,778	15,994	899
29	Univ of Texas at Austin	109,480	142	66	51,882	1,304	15,584	653	14,671	220	6,921	15,004	3,113
30	Ohio State University	109,258	18,891	909	4,549	12,674	4,193	1,467	37,438	680	4,608	15,098	0
Total 1st 30 institutions		5,487,320	135,490	23,640	835,684	474,745	277,043	28,721	2,779,731	11,614	240,276	646,068	35,608
31	Indiana University	100,284	2	90	510	33,089	3,039	753	42,963	0	937	17,711	430
32	University of Iowa	92,991	73	81	2,236	8,871	588	392	72,162	0	4,151	5,448	1
33	New York University	92,792	2	0	4,499	10,945	3,933	958	64,664	0	444	7,347	0
34	Michigan State University	90,711	25,939	214	1,958	16,822	3,827	405	18,402	74	634	19,688	2,746
35	Purdue University	90,518	18,621	0	3,943	14,405	7,267	278	20,016	376	2,315	16,814	6,483
36	Louisiana State Univ	89,406	10,926	3,037	1,882	27,340	11,589	2,936	75,246	413	710	4,886	51
37	Univ Alabama Birmingham	88,925	279	0	5,106	5,266	0	0	72,188	0	3,074	2,392	624
38	University of Massachusetts	87,501	6,597	82	9,050	11,155	2,273	445	42,587	242	1,830	12,460	780
39	Univ of Cal Davis	84,983	4,061	0	1,948	10,569	10,292	511	44,439	484	1,431	9,943	1,465
40	University of Florida	84,222	15,887	107	6,047	13,237	3,039	813	32,017	669	2,703	6,256	1,487
Total 1st 40 institutions		6,390,653	217,853	27,213	872,193	626,444	324,440	33,812	3,215,415	14,052	258,525	751,051	49,655
41	Univ of MD College Park	83,268	8,020	3,985	9,527	10,185	8,072	1,023	5,467	359	17,811	18,233	577
42	Case Western Reserve Univ	82,839	0	0	3,987	3,549	421	347	61,522	0	7,515	5,780	0
43	Vanderbilt University	82,613	0	0	3,336	4,815	1,814	0	68,949	0	2,703	2,966	30
44	Texas A & M University	81,898	33,294	4,468	3,102	9,552	9,339	226	8,478	289	3,356	13,515	283
45	University of Utah	81,793	162	0	4,891	11,133	4,515	390	49,990	1,599	697	8,716	0
46	University of Miami	79,896	0	2,132	4,065	7,564	439	0	55,125	40	1,843	8,688	0
47	Baylor Col of Medicine	78,235	7,982	0	687	1,428	384	0	68,991	0	745	38	0
48	California Inst of Tech	77,647	0	90	19,972	0	9,276	314	17,117	1,501	9,646	28,731	0
49	Northwestern University	76,004	50	15	4,761	9,033	3,916	0	40,731	91	1,183	14,224	0
50	Boston University	75,650	0	100	6,394	10,866	3,017	111	47,010	0	1,010	7,142	0
Total 1st 50 institutions		7,190,498	287,350	38,003	925,215	694,569	361,733	38,223	3,634,795	17,927	305,034	859,102	50,545

See explanatory material, if any, and SOURCE, at end of table.

Table C-8. Federal obligations to the 100 universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Institution (ranked by amount received)	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Rank												
51 Yeshiva University	75,080	0	0	234	886	0	0	73,510	0	0	450	0
52 Univ of Tennessee All Camp	73,030	15,807	0	1,163	14,032	11,683	493	23,964	206	1,637	4,053	0
53 University of Virginia	72,701	1	2,139	4,984	6,524	2,902	575	40,705	225	8,009	9,200	457
54 Utah State University	70,451	5,109	0	43,532	13,962	123	516	3,083	558	1,375	2,103	90
55 University of Kentucky	70,400	16,400	4,460	451	23,095	3,106	152	17,208	653	639	4,059	177
56 Rutgers the St Univ of NJ	68,568	8,320	349	7,467	16,871	1,227	230	21,114	108	618	12,040	227
57 University of Cincinnati	67,212	0	0	2,476	21,211	295	2,643	35,190	0	2,257	2,830	310
58 Univ of Cal Irvine	64,278	0	0	9,321	7,293	4,198	190	32,187	0	1,481	9,608	0
59 N C State Univ at Raleigh	63,280	22,763	353	7,761	8,446	1,775	5,625	595	3,996	10,007	2,911	0
60 New Mexico State Univ	61,934	8,667	100	16,223	12,352	6,135	84	1,022	168	16,683	3,500	0
Total 1st 60 institutions	7,877,438	341,417	45,404	1,018,807	816,443	393,248	42,881	3,888,403	20,440	338,726	916,952	54,717
61 Univ of Ill Chicago	60,405	9	73	3,055	12,157	551	370	36,967	0	419	5,329	1,475
62 U P A - Regional Col Adm	59,540	0	0	0	59,202	0	0	0	0	0	373	65
63 University of Georgia	59,219	19,708	1,224	965	6,023	10,941	1,160	11,238	272	412	7,250	0
64 Emory University	59,181	0	0	799	3,287	82	0	52,554	0	287	2,172	0
65 Oregon State University	59,048	13,601	2,509	6,374	8,415	1,150	1,249	8,669	2,574	2,058	11,730	719
66 Princeton University	58,764	0	1,192	8,849	4,279	6,230	708	15,041	116	4,089	18,260	0
67 Iowa State University	58,104	28,223	3,276	890	11,429	825	243	4,569	599	785	5,383	1,882
68 Georgia Institute of Tech	57,981	241	341	38,546	796	1,227	819	2,912	273	3,932	7,546	1,328
69 Carnegie-Mellon Univ	56,900	125	0	22,451	4,638	4,062	0	6,612	308	2,822	15,452	430
70 U Tex Sw Med Ctr - Dallas	56,419	0	0	125	0	0	0	54,704	0	1,208	382	0
Total 1st 70 institutions	8,463,089	403,322	54,019	1,100,881	926,669	418,316	47,430	4,081,669	24,582	354,748	990,829	60,624
71 Colorado State University	54,633	9,547	2,292	3,657	7,469	1,780	845	16,977	887	2,312	7,814	1,053
72 Univ of Hawaii-Manoa	54,567	7,532	220	3,266	6,022	1,670	0	13,030	660	6,930	12,721	2,516
73 University of Connecticut	54,319	3,955	3,875	2,235	6,051	797	129	32,045	104	293	4,620	215
74 Woods Hole Oceanographic Inst	53,690	0	1,623	21,289	0	601	301	261	0	429	29,216	0
75 SUNY at Stony Brook	53,323	0	0	325	1,636	6,404	0	29,075	52	1,967	13,864	0
76 Virginia Commonwealth Univ	52,409	0	0	924	6,832	242	182	43,281	0	411	567	0
77 Univ of Cal Santa Barbara	52,020	283	57	14,273	7,504	3,144	421	4,494	1,026	2,484	17,585	779
78 UNIV Mount Sinai Schol Med	51,910	0	0	0	4,205	101	88	47,131	0	216	151	0
79 VA Polytech Inst & St U	51,111	14,954	237	5,152	8,133	7,492	1,088	2,827	1,875	4,129	6,473	771
80 Gallaudet University	49,819	0	0	0	48,944	0	0	434	0	51	390	0
Total 1st 80 institutions	8,990,890	439,593	62,323	1,151,972	1,021,465	440,547	50,432	4,271,244	29,186	373,930	1,084,240	65,958
81 Univ of MD Balt Prof Sch	47,448	0	0	2,244	1,108	226	464	42,571	0	100	735	0
82 Oregon Hlth Sciences Univ	45,997	0	0	655	384	9,860	0	34,743	0	0	355	0
83 Univ of Missouri Columbia	45,855	16,825	0	274	7,356	641	143	16,115	166	194	4,180	1
84 Univ of Med & Dent of N J	45,383	94	0	966	983	286	974	41,283	0	254	543	0
85 SUNY at Buffalo All Camps	44,424	0	0	2,097	0	694	52	30,191	0	1,213	10,177	0
86 Tufts University	43,658	11,303	0	381	2,304	1,017	3,241	23,786	31	30	1,565	0
87 Georgetown University	43,508	355	13	2,414	6,877	295	375	31,062	0	0	1,197	920
88 Rochester Inst Technology	43,032	0	0	0	42,494	0	0	0	0	129	409	0
89 Brown University	42,228	0	77	7,051	5,712	4,062	0	14,770	296	1,332	8,928	0
90 Inter Am U Pr-San German	41,380	0	0	0	41,351	0	0	0	0	0	29	0
Total 1st 90 institutions	9,433,803	468,170	62,413	1,168,054	1,130,034	457,628	55,681	4,505,765	29,679	377,142	1,112,358	66,879
91 University of Kansas	41,190	0	267	768	12,584	441	53	22,627	184	1,195	2,588	91
92 Temple University	40,797	100	0	660	12,641	335	2	25,008	0	45	1,976	30
93 U Tex Mlth Sci Ctr S Anto	40,094	0	0	860	565	0	0	37,856	0	0	813	0
94 Rockefeller University	37,279	0	0	146	0	1,255	15	35,101	0	0	762	0
95 Univ of VT & St Agric Col	36,999	5,625	0	301	0	588	0	28,939	144	15	1,387	0
96 Florida State University	36,767	100	477	1,971	8,176	13,646	720	4,297	46	1,256	5,703	375
97 Washington State Univ	36,685	12,886	127	1,187	8,180	2,095	489	6,919	104	258	4,289	151
98 Oklahoma State University	36,346	12,242	0	3,711	10,595	3,450	100	1,056	227	2,754	1,981	230
99 Puerto Rico Jr Col	36,302	0	0	0	36,302	0	0	0	0	0	0	0
100 Dartmouth College	36,294	230	0	2,121	2,990	876	0	27,509	0	916	1,952	0
Total 1st 100 institutions	9,812,564	499,353	63,284	1,179,779	1,222,067	480,014	57,060	4,695,077	30,384	383,581	1,134,209	67,756

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-9. Federal obligations to universities and colleges, by highest degree granted in the sciences and engineering, type of institutional control, and agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 1

Highest degree granted and type of institutional control	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all degree levels												
All institutions	15,204,563	769,763	115,648	1,342,190	4,656,709	572,562	93,622	5,506,001	74,578	511,250	1,445,079	117,161
Public	9,059,754	720,401	99,332	595,120	2,803,673	341,457	72,501	3,035,504	61,798	344,833	892,598	92,537
Private	6,144,809	49,362	16,316	747,070	1,853,036	231,105	21,121	2,470,497	12,780	166,417	552,481	24,624
Doctorate												
All institutions	12,126,803	695,336	109,594	1,328,626	1,901,856	561,521	84,027	5,423,359	56,657	476,808	1,375,377	113,652
Public	7,324,739	650,578	93,468	586,685	1,303,794	333,124	63,839	2,982,564	49,059	317,556	852,790	91,282
Private	4,802,064	44,758	16,116	741,941	598,062	228,397	20,188	2,440,795	7,598	159,252	522,587	22,370
Master's												
All institutions	1,128,802	51,642	4,310	7,663	925,043	6,032	8,696	50,681	2,790	25,457	45,620	868
Public	787,558	47,202	4,210	5,246	622,028	5,010	7,889	39,284	2,789	20,976	32,382	542
Private	341,244	4,440	100	2,417	303,015	1,022	807	11,397	1	4,481	13,238	326
Bachelor's												
All institutions	914,424	20,816	594	3,777	834,566	2,720	601	24,611	510	6,552	18,851	826
Public	283,019	20,679	494	1,065	240,608	2,274	479	9,295	457	3,886	3,504	278
Private	631,405	137	100	2,712	593,958	446	122	15,316	53	2,666	15,347	548
No science & engineering degrees												
All institutions	1,034,534	1,969	1,160	2,124	995,244	2,289	298	7,350	14,621	2,433	5,231	1,815
Public	664,438	1,942	1,160	2,124	637,243	1,049	294	4,361	9,493	2,415	3,922	435
Private	370,096	27	0	0	358,001	1,240	4	2,989	5,128	18	1,309	1,380

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-10. Number of universities and colleges receiving federal obligations, by highest degree granted in the sciences and engineering, type of institutional control, and type of activity: fiscal year 1990

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Highest degree granted and type of institutional control	Total	Academic science and engineering							Non-science and engineering activities
		Total academic science & engineering	Research and development	R&D plant 1/	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science & engineering	Other science & engineering activities	
Total, all degree levels									
All institutions	2,456	1,077	773	110	302	476	447	404	2,340
Public	976	595	439	76	146	304	280	281	884
Private	1,480	482	334	34	156	172	167	123	1,456
Doctorate									
All institutions	363	342	329	106	45	261	255	231	332
Public	217	215	212	74	34	163	162	166	196
Private	146	127	117	32	11	98	93	65	136
Master's									
All institutions	319	246	193	3	103	87	82	94	302
Public	183	158	129	2	62	64	60	71	171
Private	136	88	64	1	41	23	22	23	131
Bachelor's									
All institutions	767	299	186	1	112	80	68	48	756
Public	111	71	49	0	13	40	22	22	105
Private	656	228	137	1	99	40	46	26	651
No science & engineering degrees									
All institutions	1,007	190	65	0	42	48	42	31	950
Public	465	151	49	0	37	37	36	22	412
Private	542	39	16	0	5	11	6	9	538

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-11. Federal obligations to universities and colleges by highest degree granted in the sciences and engineering, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Highest degree granted and type of institutional control	Total obligations	Academic science and engineering							Non-science and engineering activities
		Total academic science & engineering	Research and development	R&D plant 1/	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science & engineering	Other science & engineering activities	
Total, all degree levels									
All institutions	15,204,563	10,461,699	9,031,047	124,841	19,241	409,871	142,532	734,167	4,742,864
Public	9,059,754	6,201,054	5,273,299	86,976	12,449	209,641	95,070	523,619	2,858,700
Private	6,144,809	4,260,645	3,757,748	37,865	6,792	200,230	47,462	210,548	1,884,164
Doctorate									
All institutions	12,126,803	10,132,270	8,841,374	123,783	6,840	393,162	105,689	661,422	1,994,533
Public	7,324,739	5,963,317	5,141,119	86,536	6,277	197,708	69,056	462,621	1,361,422
Private	4,802,064	4,168,953	3,700,255	37,247	563	195,454	36,633	198,801	633,111
Master's									
All institutions	1,128,802	216,507	133,557	1,038	6,585	9,205	19,293	46,829	912,295
Public	787,558	172,915	103,550	440	4,241	7,249	15,712	41,723	614,643
Private	341,244	43,592	30,007	598	2,344	1,956	3,581	5,106	297,652
Bachelor's									
All institutions	914,424	83,350	42,380	20	4,294	6,635	12,614	17,407	831,074
Public	283,019	44,576	20,624	0	585	3,971	6,783	12,613	238,443
Private	631,405	38,774	21,756	20	3,709	2,664	5,831	4,794	592,631
No science & engineering degrees									
All institutions	1,034,534	29,572	13,736	0	1,522	869	4,936	8,509	1,004,962
Public	664,438	20,246	8,006	0	1,346	713	3,519	6,662	644,192
Private	370,096	9,326	5,730	0	176	156	1,417	1,847	360,770

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

(Dollars in thousands)

Page 1 of 6

Geographic division, State, and type of institutional control		Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/ 4	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
United States, total										
public inst's	amt	9,059,754	6,201,054	5,273,299	86,976	12,449	209,641	95,070	523,619	2,858,700
	no.	976	595	439	76	146	304	280	281	884
private inst's	amt	6,144,809	4,260,645	3,757,748	37,865	6,792	200,230	47,462	210,548	1,884,164
	no.	1,480	482	334	34	156	172	167	123	1,456
New England										
public inst's	amt	328,285	225,578	199,326	359	246	4,763	2,529	18,355	102,707
	no.	71	33	19	1	7	11	16	15	48
private inst's	amt	992,012	853,737	772,125	18,185	852	47,538	6,625	8,412	138,275
	no.	138	58	48	10	16	23	21	22	135
Connecticut										
public inst's	amt	64,940	49,874	43,861	0	25	1,901	755	3,332	15,066
	no.	19	5	3	0	1	1	2	3	19
private inst's	amt	179,873	161,746	145,601	1,297	174	11,813	1,211	1,650	18,127
	no.	20	11	10	2	3	5	2	3	20
Maine										
public inst's	amt	33,197	13,004	9,318	0	79	155	21	3,431	20,193
	no.	9	5	4	0	2	2	2	3	8
private inst's	amt	10,388	1,520	879	0	356	79	56	150	8,868
	no.	16	5	4	0	3	1	1	1	16
Massachusetts										
public inst's	amt	127,153	82,890	75,282	0	85	1,390	1,061	5,072	44,263
	no.	27	14	6	0	2	2	7	4	26
private inst's	amt	699,896	618,933	560,609	16,091	230	33,140	4,663	4,200	80,963
	no.	67	34	30	7	7	13	14	14	64
New Hampshire										
public inst's	amt	28,859	23,505	20,977	0	43	237	203	2,045	5,354
	no.	7	4	3	0	1	3	1	2	6
private inst's	amt	41,465	33,057	31,409	0	0	1,141	249	258	8,408
	no.	13	3	1	0	0	2	2	1	13
Rhode Island										
public inst's	amt	31,361	20,947	18,486	0	14	41	194	2,212	10,414
	no.	3	2	2	0	1	1	2	2	3
private inst's	amt	50,564	37,107	33,342	797	0	1,351	406	1,211	13,457
	no.	7	1	1	1	0	1	1	1	7
Vermont										
public inst's	amt	42,775	35,358	31,402	359	0	1,039	295	2,263	7,417
	no.	6	3	1	1	0	2	2	1	6
private inst's	amt	9,826	1,374	285	0	92	14	40	943	8,452
	no.	15	4	2	0	3	1	1	2	15
Middle Atlantic										
public inst's	amt	806,872	583,596	523,798	4,271	1,107	13,392	10,216	30,812	223,276
	no.	113	69	50	6	21	26	32	19	96
private inst's	amt	1,491,869	1,122,161	1,004,110	7,817	1,703	55,500	9,108	43,923	369,708
	no.	289	94	79	10	30	35	36	33	285
New Jersey										
public inst's	amt	145,012	95,818	86,180	86	187	1,893	1,197	6,275	49,194
	no.	20	9	4	1	2	3	3	5	20
private inst's	amt	85,176	58,704	53,084	310	6	4,228	252	824	26,472
	no.	22	7	7	1	1	4	1	4	22
New York										
public inst's	amt	242,021	179,422	159,328	2,955	638	3,859	6,750	5,892	62,599
	no.	72	46	35	3	14	19	24	9	58
private inst's	amt	1,035,963	783,278	692,642	6,489	1,062	35,407	5,944	41,734	252,685
	no.	162	54	44	6	16	21	25	20	158
Pennsylvania										
public inst's	amt	419,839	308,356	278,290	1,230	282	7,640	2,269	18,645	111,483
	no.	21	14	11	2	5	4	5	5	18
private inst's	amt	370,730	280,179	258,384	1,018	635	15,865	2,912	1,365	90,551
	no.	105	33	28	3	13	10	10	9	105
East North Central										
public inst's	amt	1,548,097	1,029,682	889,500	12,088	921	37,885	13,992	75,296	518,415
	no.	105	71	61	11	20	30	34	37	98
private inst's	amt	596,982	356,243	325,592	799	1,581	19,484	4,930	3,857	240,739
	no.	244	78	51	5	40	18	19	8	240

See explanatory material, if any, and SOURCE, at end of table.

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division, State, and type of institutional control		Total, all activities	Academic science and engineering						Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
East North Central, cont'd										
Illinois										
public inst's	amt	305,536	195,946	163,203	1,667	195	4,980	2,071	23,830	109,590
	no.	32	18	14	4	2	6	8	11	31
private inst's	amt	280,483	209,551	188,395	259	275	13,551	3,558	3,513	70,932
	no.	77	22	14	3	8	9	8	3	77
Indiana										
public inst's	amt	219,774	145,437	125,184	2,065	83	4,288	1,517	12,300	74,337
	no.	11	4	4	2	2	3	2	3	11
private inst's	amt	52,090	14,570	13,165	462	354	403	97	89	37,520
	no.	37	11	7	1	8	1	2	1	36
Michigan										
public inst's	amt	417,284	310,766	273,166	5,316	327	15,687	3,430	12,840	106,518
	no.	19	14	12	2	6	6	8	6	19
private inst's	amt	47,580	1,679	1,110	0	340	0	124	105	45,901
	no.	37	11	8	0	5	0	2	2	35
Ohio										
public inst's	amt	325,692	179,055	155,277	161	128	4,327	4,566	14,596	146,637
	no.	24	18	17	2	4	10	12	10	20
private inst's	amt	164,636	103,273	96,880	78	198	5,034	933	150	61,363
	no.	65	20	16	1	10	2	4	2	65
Wisconsin										
public inst's	amt	279,811	198,478	172,670	2,879	188	8,603	2,408	11,730	81,333
	no.	19	17	14	1	6	5	4	7	17
private inst's	amt	52,193	27,170	26,042	0	414	496	218	0	25,023
	no.	28	14	6	0	9	6	3	0	27
West North Central										
Iowa										
public inst's	amt	775,493	488,133	383,243	20,732	633	15,694	5,765	62,066	287,360
	no.	96	51	36	9	12	32	20	23	87
private inst's	amt	278,442	151,262	136,727	0	988	11,030	1,748	769	127,180
	no.	156	50	28	0	22	15	12	6	155
Kansas										
public inst's	amt	166,053	128,887	106,034	5,965	90	4,459	979	11,360	37,166
	no.	10	5	3	2	1	4	2	2	8
private inst's	amt	33,261	1,638	701	0	245	252	360	80	31,623
	no.	34	12	7	0	7	1	3	1	34
Minnesota										
public inst's	amt	91,339	59,436	43,934	2,974	64	1,383	705	10,376	31,903
	no.	9	7	4	2	2	4	4	3	7
private inst's	amt	12,982	131	71	0	27	10	23	0	12,851
	no.	20	6	4	0	2	1	1	0	20
Missouri										
public inst's	amt	238,226	160,434	139,967	790	207	7,095	2,047	10,328	77,792
	no.	28	9	5	1	4	5	3	3	26
private inst's	amt	26,324	2,881	1,781	0	667	17	398	18	23,443
	no.	29	12	7	0	10	2	4	1	29
Nebraska										
public inst's	amt	113,356	54,377	38,546	0	134	1,670	733	13,294	58,979
	no.	18	11	10	0	1	5	5	6	18
private inst's	amt	174,900	143,310	131,337	0	0	10,541	916	516	31,590
	no.	44	7	6	0	0	2	3	3	43
North Dakota										
public inst's	amt	64,296	38,865	26,646	2,873	35	579	967	7,765	25,431
	no.	13	7	6	1	2	3	2	3	11
private inst's	amt	14,081	2,852	2,733	0	31	37	51	0	11,229
	no.	14	4	2	0	2	2	1	0	14
South Dakota										
public inst's	amt	70,322	34,851	22,427	6,501	10	415	317	5,181	35,471
	no.	8	5	2	2	1	4	3	2	8
private inst's	amt	5,114	141	2	0	0	139	0	0	4,973
	no.	6	3	1	0	0	2	0	0	6
Total										
public inst's	amt	31,901	11,283	5,689	1,629	93	93	17	3,762	20,618
	no.	10	7	6	1	1	7	1	4	9
private inst's	amt	11,780	309	102	0	18	34	0	155	11,471
	no.	9	6	1	0	1	5	0	1	9

See explanatory material, if any, and SOURCE, at end of table.

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division, State, and type of institutional control		Total, all activi- ties	Academic science and engineering						Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/ 2	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
South Atlantic										
public inst's	amt	1,284,404	893,841	740,949	6,799	1,078	29,935	14,590	100,490	390,563
	no.	169	107	84	13	23	56	53	47	154
private inst's	amt	1,477,788	1,015,127	838,202	1,467	590	30,621	12,632	131,615	462,661
	no.	228	73	50	3	22	30	31	13	224
Delaware										
public inst's	amt	30,291	21,401	17,922	0	76	569	647	2,187	8,890
	no.	3	3	2	0	1	2	3	2	3
private inst's	amt	1,102	0	0	0	0	0	0	0	1,102
	no.	3	0	0	0	0	0	0	0	3
District of Columbia										
public inst's	amt	4,997	3,037	1,294	0	0	265	387	1,091	1,960
	no.	1	1	1	0	0	1	1	1	1
private inst's	amt	321,096	89,461	77,364	700	79	2,320	4,668	4,330	231,635
	no.	12	6	6	1	2	6	6	4	12
Florida										
public inst's	amt	219,236	137,617	114,733	1,722	340	5,269	2,576	12,977	81,619
	no.	16	13	10	2	5	8	7	9	14
private inst's	amt	129,222	71,245	66,741	0	53	2,103	1,145	1,203	57,977
	no.	45	11	9	0	2	3	5	2	44
Georgia										
public inst's	amt	177,580	131,034	111,264	1,598	179	2,551	1,471	13,971	46,546
	no.	29	13	11	2	3	10	6	6	26
private inst's	amt	116,742	68,991	63,760	0	16	2,835	2,380	0	47,751
	no.	33	8	8	0	1	5	5	0	33
Maryland										
public inst's	amt	182,077	134,733	118,074	552	32	1,861	1,225	12,989	47,344
	no.	24	20	16	2	1	6	8	5	20
private inst's	amt	623,477	610,722	471,782	391	80	14,730	1,060	122,679	12,755
	no.	20	7	5	1	3	3	2	2	20
North Carolina										
public inst's	amt	259,804	196,434	159,980	818	144	9,210	3,937	22,345	63,450
	no.	26	16	13	3	2	12	12	7	25
private inst's	amt	206,031	157,444	145,275	376	86	7,685	1,835	2,187	48,587
	no.	50	15	8	1	4	8	6	2	48
South Carolina										
public inst's	amt	95,969	57,884	42,121	9	111	1,189	1,138	13,316	38,085
	no.	19	13	9	1	7	6	5	4	15
private inst's	amt	24,766	1,360	584	0	61	151	564	0	23,406
	no.	23	7	6	0	2	1	1	0	23
Virginia										
public inst's	amt	253,767	181,698	154,368	663	172	7,855	2,856	15,784	72,069
	no.	36	17	16	2	3	8	8	9	36
private inst's	amt	44,088	13,845	11,649	0	204	797	980	215	30,243
	no.	31	15	6	0	7	4	6	2	30
West Virginia										
public inst's	amt	60,603	30,003	21,193	1,437	24	1,166	353	5,830	30,600
	no.	15	11	6	1	1	3	3	4	14
private inst's	amt	11,264	2,059	1,047	0	11	0	0	1,001	9,205
	no.	11	4	2	0	1	0	0	1	11
East South Central										
public inst's	amt	615,066	338,652	255,084	9,279	5,149	10,740	6,051	52,349	276,414
	no.	89	46	30	6	16	24	22	25	85
private inst's	amt	227,894	100,726	82,803	242	76	7,162	6,023	4,420	127,168
	no.	114	26	14	1	4	10	12	4	114
Alabama										
public inst's	amt	234,055	145,799	125,286	0	97	6,336	2,096	11,984	88,256
	no.	46	15	8	0	4	8	9	6	45
private inst's	amt	43,261	8,918	4,415	0	45	790	1,788	1,880	34,343
	no.	24	7	3	0	2	4	4	1	24
Kentucky										
public inst's	amt	122,396	58,003	38,114	652	4,728	951	682	12,876	64,393
	no.	9	8	7	2	5	5	3	4	9
private inst's	amt	22,204	133	71	0	0	0	62	0	22,071
	no.	28	3	2	0	0	0	1	0	28

See explanatory material, if any, and SOURCE, at end of table.

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division, State, and type of institutional control		Total, all activities	Academic science and engineering							Non- science and engi- neering
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
East South Central, cont'd										
Mississippi										
public inst's	amt	126,971	61,367	36,227	8,269	95	1,963	1,586	13,227	65,604
	no.	14	12	7	2	3	7	5	8	12
private inst's	amt	17,617	1,026	50	0	0	260	678	38	16,591
	no.	17	5	2	0	0	1	3	1	17
Tennessee										
public inst's	amt	131,644	73,483	55,457	358	229	1,490	1,687	14,262	58,161
	no.	20	11	8	2	4	4	5	7	19
private inst's	amt	144,812	90,649	78,267	242	31	6,112	3,495	2,502	54,163
	no.	45	11	7	1	2	5	4	2	45
West South Central										
public inst's	amt	989,254	588,079	470,230	14,706	1,119	15,803	12,061	74,160	401,175
	no.	110	76	55	7	16	46	35	43	101
private inst's	amt	247,924	141,937	127,947	212	214	3,493	2,389	7,682	105,987
	no.	91	38	23	1	5	15	13	10	89
Arkansas										
public inst's	amt	88,766	35,958	23,467	647	167	611	1,030	10,036	52,808
	no.	14	10	7	1	1	4	4	7	14
private inst's	amt	12,182	279	119	0	32	0	128	0	11,903
	no.	14	5	3	0	1	0	1	0	14
Louisiana										
public inst's	amt	174,752	69,466	45,821	9,865	145	947	2,082	10,606	105,286
	no.	12	10	9	1	3	4	4	8	11
private inst's	amt	47,757	25,332	23,444	0	0	713	855	320	22,425
	no.	9	4	4	0	0	3	3	1	9
Oklahoma										
public inst's	amt	115,764	50,746	34,489	448	57	1,546	587	13,619	65,018
	no.	25	16	7	2	2	15	3	5	23
private inst's	amt	16,821	1,572	1,377	0	0	65	21	109	15,249
	no.	14	7	1	0	0	5	1	1	13
Texas										
public inst's	amt	609,972	431,909	366,453	3,746	750	12,699	8,362	39,899	178,063
	no.	59	40	32	3	10	23	24	23	53
private inst's	amt	171,164	114,754	103,007	212	182	2,715	1,385	7,253	56,410
	no.	54	22	15	1	4	7	8	8	53
Mountain										
public inst's	amt	827,497	584,324	521,176	2,391	470	15,077	8,005	37,205	243,173
	no.	81	58	36	10	13	33	21	28	68
private inst's	amt	63,092	13,171	11,953	0	55	222	222	719	49,921
	no.	46	12	6	0	2	4	4	7	45
Arizona										
public inst's	amt	171,495	128,420	115,637	1,209	83	3,648	1,745	6,098	43,075
	no.	14	14	4	3	2	9	5	5	7
private inst's	amt	3,995	296	46	0	0	16	92	142	3,699
	no.	10	3	1	0	0	1	1	1	10
Colorado										
public inst's	amt	240,559	178,993	161,891	525	124	6,362	2,099	7,992	61,566
	no.	20	10	9	2	4	4	3	5	19
private inst's	amt	16,577	7,252	7,014	0	19	145	34	40	9,325
	no.	18	4	4	0	1	1	1	1	17
Idaho										
public inst's	amt	35,450	15,080	10,381	213	16	4	83	4,383	20,370
	no.	6	6	4	1	1	2	1	4	5
private inst's	amt	6,289	0	0	0	0	0	0	0	6,289
	no.	4	0	0	0	0	0	0	0	4
Montana										
public inst's	amt	35,242	18,866	13,041	316	25	264	788	4,432	16,376
	no.	11	8	4	2	1	6	3	4	11
private inst's	amt	9,513	358	0	0	36	5	0	317	9,155
	no.	7	3	0	0	1	1	0	3	7
Nevada										
public inst's	amt	35,632	24,782	23,111	77	12	133	160	1,289	10,850
	no.	8	5	4	1	1	2	1	1	6
private inst's	amt	136	0	0	0	0	0	0	0	136
	no.	1	0	0	0	0	0	0	0	1

See explanatory material, if any, and SOURCE, at end of table.

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division, State, and type of institutional control		Total, all activi- ties	Academic science and engineering							Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering		
Mountain, cont'd											
New Mexico											
public inst's	amt	110,789	76,154	69,397	0	126	1,679	1,827	3,125	34,635	
	no.	10	6	5	0	2	5	3	4	10	
private inst's	amt	1,624	282	0	0	0	0	89	193	1,342	
	no.	1	1	0	0	0	0	1	1	1	
Utah											
public inst's	amt	179,555	130,157	117,987	51	84	2,941	1,267	7,827	49,398	
	no.	9	6	3	1	2	4	4	4	9	
private inst's	amt	23,789	4,983	4,893	0	0	56	7	27	18,806	
	no.	4	1	1	0	0	1	1	1	4	
Wyoming											
public inst's	amt	18,775	11,872	9,731	0	0	46	36	2,059	6,903	
	no.	3	3	3	0	0	1	1	1	1	
private inst's	amt	1,169	0	0	0	0	0	0	0	1,169	
	no.	1	0	0	0	0	0	0	0	1	
Pacific											
public inst's	amt	1,777,146	1,432,756	1,270,778	16,351	1,701	65,345	17,180	61,401	344,390	
	no.	123	72	57	13	17	42	39	36	108	
private inst's	amt	612,670	501,223	455,710	9,143	604	24,984	2,551	8,231	111,447	
	no.	155	45	32	4	13	20	15	15	150	
Alaska											
public inst's	amt	32,140	26,942	25,027	83	0	47	219	1,566	5,198	
	no.	4	4	4	1	0	1	2	2	3	
private inst's	amt	1,107	34	33	0	0	1	0	0	1,073	
	no.	4	1	1	0	0	1	0	0	4	
California											
public inst's	amt	1,156,985	954,602	866,568	1,559	1,252	47,699	10,787	26,737	202,383	
	no.	68	41	34	7	13	25	22	20	57	
private inst's	amt	571,035	493,679	450,802	8,545	360	24,873	2,009	7,090	77,356	
	no.	111	28	20	3	6	12	10	9	107	
Hawaii											
public inst's	amt	69,257	55,990	48,276	1,241	0	997	1,643	3,833	13,267	
	no.	9	3	3	1	0	2	2	2	8	
private inst's	amt	1,968	0	0	0	0	0	0	0	1,968	
	no.	4	0	0	0	0	0	0	0	4	
Oregon											
public inst's	amt	163,636	119,532	91,294	10,340	170	2,596	1,702	13,430	44,104	
	no.	13	11	10	2	2	5	7	6	11	
private inst's	amt	16,788	4,852	4,478	0	112	15	121	126	11,936	
	no.	20	6	5	0	3	2	2	2	19	
Washington											
public inst's	amt	355,128	275,690	239,613	3,128	279	14,006	2,829	15,835	79,438	
	no.	29	13	8	2	2	9	6	6	29	
private inst's	amt	21,772	2,658	397	598	132	95	421	1,015	19,114	
	no.	16	10	6	1	4	5	3	4	16	
Outlying Areas											
public inst's	amt	107,640	36,413	19,215	0	25	1,007	4,681	11,485	71,227	
	no.	19	12	11	0	1	4	8	8	19	
private inst's	amt	156,136	5,058	2,579	0	129	196	1,234	920	151,078	
	no.	19	8	3	0	2	2	4	5	19	
Canal Zone											
Guam											
public inst's	amt	4,150	3,091	1,320	0	0	0	211	1,560	1,059	
	no.	2	1	1	0	0	0	1	1	2	
Puerto Rico											
public inst's	amt	93,243	28,206	15,421	0	0	1,007	4,180	7,598	65,037	
	no.	12	7	6	0	0	4	5	3	12	
private inst's	amt	156,136	5,058	2,579	0	129	196	1,234	920	151,078	
	no.	19	8	3	0	2	2	4	5	19	
American Samoa											
public inst's	amt	1,555	1,223	592	0	25	0	60	546	332	
	no.	1	1	1	0	1	0	1	1	1	

See explanatory material, if any, and SOURCE, at end of table.

Table C-12. Federal obligations to universities and colleges and the number of recipient institutions, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

[Dollars in thousands]

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Geographic division, State, and type of institutional control	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Outlying Areas, cont'd									
Virgin Islands									
public inst's	amt	3,299	2,058	1,053	0	0	0	230	775
	no.	1	1	1	0	0	0	1	1
Trust Territory Pac Isl									
public inst's	amt	5,393	1,835	829	0	0	0	0	1,006
	no.	3	2	2	0	0	0	2	3

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-13. Percent distribution of Federal obligations to public and private universities and colleges, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

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Geographic division, State, and type of institutional control	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/ 2	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
United States, total	59.6	59.3	58.4	69.7	64.7	51.1	66.7	71.3	60.3
public inst's	40.4	40.7	41.6	30.3	35.3	48.9	33.3	28.7	39.7
New England, total	24.9	20.9	20.5	1.9	22.4	9.1	27.6	68.6	42.6
public inst's	75.1	79.1	79.5	98.1	77.6	90.9	72.4	31.4	57.4
Connecticut	26.5	23.6	23.2	0.0	12.6	13.9	38.4	66.9	45.4
public inst's	73.5	76.4	76.8	100.0	87.4	86.1	61.6	33.1	54.6
Maine	76.2	89.5	91.4	00.0	18.2	66.2	27.3	95.8	69.5
public inst's	23.8	10.5	8.6	00.0	81.8	33.8	72.7	4.2	30.5
Massachusetts	15.4	11.8	11.8	0.0	27.0	4.0	18.5	54.7	35.3
public inst's	84.6	88.2	88.2	100.0	73.0	96.0	81.5	45.3	64.7
New Hampshire	41.0	41.6	40.0	00.0	100.0	17.2	44.9	88.8	38.9
public inst's	59.0	58.4	60.0	00.0	0.0	82.8	55.1	11.2	61.1
Rhode Island	38.3	36.1	35.7	0.0	100.0	2.9	32.3	64.6	43.6
public inst's	61.7	63.9	64.3	100.0	0.0	97.1	67.7	35.4	56.4
Vermont	81.3	96.2	99.1	100.0	0.0	98.7	88.0	70.6	46.7
public inst's	18.7	3.8	0.9	0.0	100.0	1.3	12.0	29.4	53.3
Middle Atlantic, total	35.1	34.2	34.3	35.3	39.4	19.4	52.9	41.2	37.6
public inst's	64.9	65.8	65.7	64.7	60.6	80.6	47.1	58.8	62.4
New Jersey	63.0	62.0	61.9	21.7	96.9	30.9	82.6	88.4	65.0
public inst's	37.0	38.0	38.1	78.3	3.1	69.1	17.4	11.6	35.0
New York	18.9	18.6	18.7	31.3	37.5	9.8	53.2	12.4	19.8
public inst's	81.1	81.4	81.3	68.7	62.5	90.2	46.8	87.6	80.2
Pennsylvania	53.1	52.4	51.8	54.7	30.8	32.5	43.8	93.2	55.2
public inst's	46.9	47.6	48.2	45.3	69.2	67.5	56.2	6.8	44.8
East North Central, total	72.2	74.3	73.2	93.8	36.8	66.0	73.9	95.1	68.3
public inst's	27.8	25.7	26.8	6.2	63.2	34.0	26.1	4.9	31.7
Illinois	52.1	48.3	46.4	86.6	41.5	26.9	36.8	87.2	60.7
public inst's	47.9	51.7	53.6	13.4	58.5	73.1	63.2	12.8	39.3
Indiana	80.8	90.9	90.5	81.7	19.0	91.4	94.0	99.3	66.4
public inst's	19.2	9.1	9.5	18.3	81.0	8.6	6.0	0.7	33.6
Michigan	89.8	99.5	99.6	100.0	49.0	100.0	96.5	99.2	69.9
public inst's	10.2	0.5	0.4	0.0	51.0	0.0	3.5	0.8	30.1
Ohio	66.4	63.4	61.6	67.4	39.3	46.2	83.0	99.0	70.5
public inst's	33.6	36.6	38.4	32.6	60.7	53.8	17.0	1.0	29.5
Wisconsin	84.3	88.0	86.9	100.0	31.2	94.5	91.7	100.0	76.5
public inst's	15.7	12.0	13.1	0.0	68.8	5.5	8.3	0.0	23.5
West North Central, total	73.6	76.3	73.7	100.0	39.0	58.7	76.7	98.8	69.3
public inst's	26.4	23.7	26.3	0.0	61.0	41.3	23.3	1.2	30.7
Iowa	83.3	98.7	99.3	100.0	26.9	94.6	73.1	99.3	54.0
public inst's	16.7	1.3	0.7	0.0	73.1	5.4	26.9	0.7	46.0

See explanatory material, if any, and SOURCE, at end of table.

Table C-13. Percent distribution of Federal obligations to public and private universities and colleges, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

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Geographic division, State, and type of institutional control	Total, all activities	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
West North Central, cont'd									
Kansas									
public inst's	87.6	99.8	99.8	100.0	70.3	99.3	96.8	100.0	71.3
private inst's	12.4	0.2	0.2	0.0	29.7	0.7	3.2	0.0	28.7
Minnesota									
public inst's	90.0	98.2	98.7	100.0	23.7	99.8	83.7	99.8	76.8
private inst's	10.0	1.8	1.3	0.0	76.3	0.2	16.3	0.2	23.2
Missouri									
public inst's	39.3	27.5	22.7	00.0	100.0	13.7	44.4	96.3	65.1
private inst's	60.7	72.5	77.3	00.0	0.0	86.3	55.6	3.7	34.9
Nebraska									
public inst's	82.0	93.2	90.7	100.0	53.0	94.0	95.0	100.0	69.4
private inst's	18.0	6.8	9.3	0.0	47.0	6.0	5.0	0.0	30.6
North Dakota									
public inst's	93.2	99.6	100.0	100.0	100.0	74.9	100.0	100.0	87.7
private inst's	6.8	0.4	0.0	0.0	0.0	25.1	0.0	0.0	12.3
South Dakota									
public inst's	73.0	97.3	98.2	100.0	83.8	73.2	100.0	96.0	64.2
private inst's	27.0	2.7	1.8	0.0	16.2	26.8	0.0	4.0	35.8
South Atlantic, total									
public inst's	46.5	46.8	46.9	82.2	64.6	49.4	53.6	43.3	45.8
private inst's	53.5	53.2	53.1	17.8	35.4	50.6	46.4	56.7	54.2
Delaware									
public inst's	96.5	100.0	100.0	00.0	100.0	100.0	100.0	100.0	89.0
private inst's	3.5	0.0	0.0	00.0	0.0	0.0	0.0	0.0	11.0
District of Columbia									
public inst's	1.5	3.3	1.6	0.0	0.0	10.2	7.6	20.1	0.8
private inst's	98.5	96.7	98.4	100.0	100.0	89.8	92.4	79.9	99.2
Florida									
public inst's	62.9	65.9	63.2	100.0	86.5	71.5	69.2	91.5	58.5
private inst's	37.1	34.1	36.8	0.0	13.5	28.5	30.8	8.5	41.5
Georgia									
public inst's	60.3	65.5	63.6	100.0	91.8	47.4	38.2	100.0	49.4
private inst's	39.7	34.5	36.4	0.0	8.2	52.6	61.8	0.0	50.6
Maryland									
public inst's	22.6	18.1	20.0	58.5	28.6	11.2	53.6	9.6	78.8
private inst's	77.4	81.9	80.0	41.5	71.4	88.8	46.4	90.4	21.2
North Carolina									
public inst's	55.8	55.5	52.4	68.5	62.6	54.5	68.2	91.1	56.6
private inst's	44.2	44.5	47.6	31.5	37.4	45.5	31.8	8.9	43.4
South Carolina									
public inst's	79.5	97.7	98.6	100.0	64.5	88.7	66.9	100.0	61.9
private inst's	20.5	2.3	1.4	0.0	35.5	11.3	33.1	0.0	38.1
Virginia									
public inst's	85.2	92.9	93.0	100.0	45.7	90.8	74.4	98.6	70.4
private inst's	14.8	7.1	7.0	0.0	54.3	9.2	25.6	1.4	29.6
West Virginia									
public inst's	84.3	93.6	95.3	100.0	68.6	100.0	100.0	85.3	76.9
private inst's	15.7	6.4	4.7	0.0	31.4	0.0	0.0	14.7	23.1
East South Central, total									
public inst's	73.0	77.1	75.5	97.4	98.5	60.0	50.1	92.2	68.5
private inst's	27.0	22.9	24.5	2.6	1.5	40.0	49.9	7.8	31.5
Alabama									
public inst's	84.4	94.2	96.6	00.0	68.3	88.9	54.0	86.4	72.0
private inst's	15.6	5.8	3.4	00.0	31.7	11.1	46.0	13.6	28.0
Kentucky									
public inst's	84.6	99.8	99.8	100.0	100.0	100.0	91.7	100.0	74.5
private inst's	15.4	0.2	0.2	0.0	0.0	0.0	8.3	0.0	25.5
Mississippi									
public inst's	87.8	98.4	99.9	100.0	100.0	88.3	70.0	99.7	79.8
private inst's	12.2	1.6	0.1	0.0	0.0	11.7	30.0	0.3	20.2

See explanatory material, if any, and SOURCE, at end of table.

Table C-13. Percent distribution of Federal obligations to public and private universities and colleges, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

Page 3 of 4

Geographic division, State, and type of institutional control	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
East South Central, cont'd									
Tennessee public inst's	47.6	44.8	41.5	59.7	88.1	19.6	32.6	85.1	51.8
private inst's	52.4	55.2	58.5	40.3	11.9	80.4	67.4	14.9	48.2
West South Central, total	80.0	80.6	78.6	98.6	83.9	81.9	83.5	90.6	79.1
public inst's	20.0	19.4	21.4	1.4	16.1	18.1	16.5	9.4	20.9
private inst's									
Arkansas public inst's	87.9	99.2	99.5	100.0	83.9	100.0	88.9	100.0	81.4
private inst's	12.1	0.8	0.5	0.0	16.1	0.0	11.1	0.0	18.6
Louisiana public inst's	78.5	73.3	66.2	100.0	100.0	57.0	70.9	97.1	82.4
private inst's	21.5	26.7	33.8	0.0	0.0	43.0	29.1	2.9	17.6
Oklahoma public inst's	87.3	97.0	96.2	100.0	100.0	96.0	96.5	99.2	81.0
private inst's	12.7	3.0	3.8	0.0	0.0	4.0	3.5	0.8	19.0
Texas public inst's	78.1	79.0	78.0	94.6	80.5	82.4	85.8	84.6	75.9
private inst's	21.9	21.0	22.0	5.4	19.5	17.6	14.2	15.4	24.1
Mountain, total	92.9	97.8	97.8	100.0	89.5	98.5	97.3	98.1	83.0
public inst's	7.1	2.2	2.2	0.0	10.5	1.5	2.7	1.9	17.0
private inst's									
Arizona public inst's	97.7	99.8	100.0	100.0	100.0	99.6	95.0	97.7	92.1
private inst's	2.3	0.2	0.0	0.0	0.0	0.4	5.0	2.3	7.9
Colorado public inst's	93.6	96.1	95.8	100.0	86.7	97.8	98.4	99.5	86.8
private inst's	6.4	3.9	4.2	0.0	13.3	2.2	1.6	0.5	13.2
Idaho public inst's	84.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	76.4
private inst's	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6
Montana public inst's	78.7	98.1	100.0	100.0	41.0	98.1	100.0	93.3	64.1
private inst's	21.3	1.9	0.0	0.0	59.0	1.9	0.0	6.7	35.9
Nevada public inst's	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8
private inst's	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
New Mexico public inst's	98.6	99.6	100.0	00.0	100.0	100.0	95.4	94.2	96.3
private inst's	1.4	0.4	0.0	00.0	0.0	0.0	4.6	5.8	3.7
Utah public inst's	88.3	96.3	96.0	100.0	100.0	98.1	99.4	99.6	72.4
private inst's	11.7	3.7	4.0	0.0	0.0	1.9	0.6	0.4	27.6
Wyoming public inst's	94.1	100.0	100.0	00.0	00.0	100.0	100.0	100.0	85.5
private inst's	5.9	0.0	0.0	00.0	00.0	0.0	0.0	0.0	14.5
Pacific, total	74.4	74.1	73.6	64.1	73.8	72.3	87.1	88.2	75.6
public inst's	25.6	25.9	26.4	35.9	26.2	27.7	12.9	11.8	24.4
private inst's									
Alaska public inst's	96.7	99.9	99.9	100.0	00.0	97.9	100.0	100.0	82.9
private inst's	3.3	0.1	0.1	0.0	00.0	2.1	0.0	0.0	17.1
California public inst's	67.0	65.9	65.8	15.4	77.7	65.7	84.3	79.0	72.3
private inst's	33.0	34.1	34.2	84.6	22.3	34.3	15.7	21.0	27.7
Hawaii public inst's	97.2	100.0	100.0	100.0	00.0	100.0	100.0	100.0	87.1
private inst's	2.8	0.0	0.0	0.0	00.0	0.0	0.0	0.0	12.9
Oregon public inst's	90.7	96.1	95.3	100.0	60.3	99.4	93.4	99.1	78.7
private inst's	9.3	3.9	4.7	0.0	39.7	0.6	6.6	0.9	21.3

See explanatory material, if any, and SOURCE, at end of table.

Table C-13. Percent distribution of Federal obligations to public and private universities and colleges, by geographic division, State, type of institutional control, and type of activity: fiscal year 1990

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Geographic division, State, and type of institutional control	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Pacific, cont'd									
Washington									
public inst's	94.2	99.0	99.8	94.0	67.9	99.3	87.0	94.0	80.6
private inst's	5.8	1.0	0.2	16.0	32.1	0.7	13.0	6.0	19.4
Outlying Areas, total									
public inst's	40.8	87.8	88.2	88.0	16.2	83.7	79.1	92.6	32.0
private inst's	59.2	12.2	11.8	88.0	83.8	16.3	20.9	7.4	68.0
Guam									
public inst's	100.0	100.0	100.0	88.0	88.0	88.0	100.0	100.0	100.0
Puerto Rico									
public inst's	37.4	84.8	85.7	88.0	0.0	83.7	77.2	89.2	30.1
private inst's	62.6	15.2	14.3	88.0	100.0	16.3	22.8	10.8	69.9
American Samoa									
public inst's	100.0	100.0	100.0	88.0	100.0	88.0	100.0	100.0	100.0
Virgin Islands									
public inst's	100.0	100.0	100.0	88.0	88.0	88.0	100.0	100.0	100.0
Trust Territory Pac Isl									
public inst's	100.0	100.0	100.0	88.0	88.0	88.0	88.0	100.0	100.0

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-14. Federal obligations to the 100 public universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Institution (ranked by amount received)	Total	USDA	Com	DOE	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Rank												
Total, all institutions	9,059,754	720,401	99,332	595,120	2,803,673	341,457	72,501	3,035,504	61,798	344,833	892,598	92,537
1 University of Washington	263,025	2,404	5,118	27,464	13,130	8,237	1,283	167,097	1,290	7,126	28,459	1,417
2 University of Michigan	210,453	1,109	1,588	11,853	16,339	8,736	2,157	128,658	166	10,428	27,045	2,374
3 Univ of Cal Los Angeles	205,843	189	76	9,436	15,601	18,075	81	134,255	0	7,300	20,311	519
4 Univ of Cal San Francisco	186,228	0	0	2,110	0	3,622	160	177,194	0	953	2,189	0
5 Pennsylvania State Univ	184,948	19,698	416	67,816	28,687	3,909	480	33,842	3,180	8,049	15,870	3,001
6 Univ of Cal San Diego	184,033	325	564	21,844	6,842	4,213	138	106,891	652	12,736	29,460	368
7 Univ of Wis-Madison	183,443	17,191	146	4,990	3,140	16,376	1,255	94,634	227	12,604	32,798	74
8 University of Minnesota	181,694	17,022	741	10,101	20,828	4,658	1,490	103,205	516	3,202	19,669	262
9 Univ of Cal Berkeley	156,170	9,150	0	10,529	22,657	4,371	514	45,818	603	19,410	39,673	3,445
10 University of Pittsburgh	146,345	82	63	11,370	26,665	2,626	2,475	91,788	0	1,998	9,264	44
Total 1st 10 institutions	1,902,182	67,140	8,712	177,513	153,897	74,823	10,033	1,083,382	6,634	83,806	224,738	11,504
11 University of Colorado	142,413	179	8,104	6,705	12,105	4,277	1,132	75,842	95	12,851	20,839	283
12 Univ of NC at Chapel Hill	123,985	115	52	2,856	10,221	818	3,606	96,344	48	528	9,387	0
13 Univ of Ill Urbana	121,180	19,654	0	14,988	459	12,623	810	18,548	310	4,003	48,814	971
14 University of Arizona	115,217	5,762	290	8,056	11,965	2,452	409	49,915	695	18,778	15,994	899
15 Univ of Texas at Austin	109,480	142	66	51,802	1,304	15,884	653	14,671	220	6,921	15,004	3,113
16 Ohio State University	109,258	18,891	909	4,549	12,674	4,193	1,467	37,438	680	4,608	15,098	8,751
17 Indiana University	100,284	2	50	510	33,089	3,839	753	42,983	0	937	17,711	430
18 University of Iowa	93,991	73	81	2,236	8,871	858	392	72,162	0	4,151	5,466	1
19 Michigan State University	90,711	25,939	214	1,958	18,852	3,827	405	18,402	74	634	19,688	2,746
20 Purdue University	90,518	18,621	0	3,943	14,435	7,267	278	20,016	376	2,315	16,814	6,483
Total 1st 20 institutions	2,999,210	156,518	18,480	275,128	275,812	130,261	19,938	1,529,683	9,133	139,532	409,553	35,181
21 Louisiana State Univ	89,406	10,926	3,037	1,892	27,340	11,569	2,536	26,246	413	710	4,886	51
22 Univ Alabama Birmingham	88,925	275	0	8,106	5,266	0	0	72,188	0	3,074	2,392	624
23 University of Massachusetts	87,501	6,597	82	9,050	11,155	2,273	445	42,587	242	1,830	12,460	780
24 Univ of Cal Davis	84,983	4,061	0	1,568	10,569	10,292	511	44,439	664	1,451	9,963	1,465
25 University of Florida	84,222	15,867	107	8,047	13,237	3,039	813	32,017	669	2,703	8,256	1,467
26 Univ of MD College Park	83,268	8,029	3,985	9,527	10,185	8,072	1,023	5,467	359	17,811	18,233	577
27 Texas A & M University	81,898	33,294	4,468	3,102	9,552	6,339	226	8,478	285	3,356	13,515	283
28 University of Utah	81,793	162	0	4,891	11,133	4,515	390	49,990	1,599	697	8,716	0
29 Univ of Tennessee All Cmp	73,038	15,807	0	1,163	14,032	11,683	493	23,964	206	1,637	4,053	0
30 University of Virginia	72,701	1	2,139	4,984	8,524	2,902	575	40,705	225	5,009	9,200	457
Total 1st 30 institutions	3,826,954	251,537	32,298	321,938	394,805	189,945	28,950	1,875,764	13,795	177,810	501,227	40,885
31 Utah State University	70,451	5,109	0	43,532	13,952	123	516	3,083	558	1,375	2,103	90
32 University of Kentucky	70,400	16,400	4,460	451	23,095	3,106	152	17,208	653	639	4,059	177
33 Rutgers the St Univ of NJ	68,568	8,320	349	7,467	16,871	1,227	230	21,114	108	615	12,040	227
34 University of Cincinnati	67,212	0	0	2,478	21,211	295	2,643	35,190	0	2,257	2,830	315
35 Univ of Cal Irvine	64,278	0	0	9,321	7,293	4,198	190	32,187	0	1,481	9,608	0
36 N C State Univ at Raleigh	63,280	22,763	353	7,761	5,648	1,846	1,775	5,625	595	3,996	10,007	2,911
37 New Mexico State Univ	61,934	8,667	100	16,223	12,352	8,135	84	1,022	168	16,683	3,500	0
38 Univ of Ill Chicago	60,405	9	73	3,055	12,157	551	370	36,967	0	419	5,329	1,475
39 U P R - Regional Col Adm	59,640	0	0	0	59,202	0	0	0	0	0	373	65
40 University of Georgia	59,219	19,706	1,224	985	6,023	10,941	1,160	11,238	272	412	7,250	8
Total 1st 40 institutions	4,472,341	329,511	38,857	413,209	572,619	218,367	34,070	2,039,398	16,149	205,687	556,326	46,148
41 Oregon State University	59,048	13,601	2,509	6,374	8,415	1,150	1,249	8,669	2,574	2,058	11,730	719
42 Iowa State University	58,104	28,223	3,276	890	11,429	825	243	4,569	599	785	5,383	1,882
43 Georgia Institute of Tech	57,961	241	341	38,546	796	1,227	819	2,912	273	3,932	7,546	1,328
44 U Tex Sw Med Ctr - Dallas	56,419	0	0	125	0	0	0	54,704	0	1,208	382	0
45 Colorado State University	54,633	9,547	2,292	3,657	7,469	1,780	845	16,977	887	2,312	7,814	1,053
46 Univ of Hawaii-Manoa	54,567	7,532	220	3,266	6,022	1,670	0	13,030	660	6,930	12,721	2,516
47 University of Connecticut	54,319	3,955	3,875	2,235	6,051	797	129	32,045	104	293	4,620	215
48 SUNY at Stony Brook	53,323	0	0	325	1,636	6,404	0	29,075	52	1,967	13,864	0
49 Virginia Commonwealth Univ	52,409	0	0	924	6,832	242	152	43,281	0	411	567	0
50 Univ of Cal Santa Barbara	52,020	283	57	14,273	7,504	3,144	421	4,494	1,026	2,444	17,595	779
Total 1st 50 institutions	5,025,144	392,893	51,427	483,824	628,773	235,606	37,928	2,249,154	22,324	228,027	640,548	54,640

See explanatory material, if any, and SOURCE, at end of table.

Table C-14. Federal obligations to the 100 public universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	VA Polytech Inst & St U	51,111	14,954	237	5,152	6,133	7,492	1,068	2,827	1,875	4,129	6,473	771
52	Univ of MD Balt Prof Sch	47,448	0	0	2,244	1,108	226	464	42,571	0	100	735	0
53	Oregon Hlth Sciences Univ	45,997	0	0	655	384	9,860	0	34,743	0	0	355	0
54	Univ of Missouri Columbia	45,855	16,825	0	274	7,356	641	143	16,115	166	154	4,180	1
55	Univ of Mad & Dent of N J	45,383	94	0	966	983	286	974	41,283	0	254	543	0
56	SUNY at Buffalo All Cmps	44,424	0	0	2,097	0	694	52	30,191	0	1,213	10,177	0
57	University of Kansas	41,198	0	267	768	12,584	441	53	22,627	184	1,195	2,988	91
58	Temple University	40,797	100	0	660	12,641	335	2	25,008	0	45	1,976	30
59	U Tex Hlth Sci Ctr S Anto	40,094	0	0	860	565	0	0	37,856	0	0	813	0
60	Univ of VT & St Agric Col	36,999	5,625	0	301	0	588	0	28,939	144	15	1,387	0
Total 1st 60 institutions		5,464,450	430,491	51,931	497,801	670,527	256,169	40,684	2,531,314	24,693	235,132	670,175	55,533
61	Florida State University	36,767	100	477	1,971	8,176	13,646	720	4,297	46	1,256	5,703	375
62	Washington State Univ	36,685	12,886	127	1,187	8,180	2,095	489	6,919	104	2,558	4,289	151
63	Oklahoma State University	36,346	12,242	0	3,711	10,595	3,450	100	1,056	227	2,754	1,981	230
64	Arizona State University	36,079	51	20	3,256	15,450	1,369	216	5,316	37	1,983	7,979	402
65	Univ of Nebraska-Lincoln	35,709	15,811	387	729	9,060	322	72	2,581	0	678	3,213	2,856
66	West Virginia University	35,520	10,273	8	211	7,713	4,320	1,934	6,356	2,330	219	1,203	953
67	U Tex Hlth Sci Ctr Houstn	34,646	80	0	60	331	0	0	33,151	0	674	350	0
68	Mississippi State Univ	34,267	17,530	24	500	8,287	3,127	0	1,641	184	734	3,056	184
69	Kans St U - Ag & App Sci	32,420	14,715	24	674	8,177	2,063	1,628	1,823	130	45	2,919	222
70	Kent State University	32,236	0	15	361	28,520	112	0	1,052	0	335	1,841	0
Total 1st 70 institutions		5,815,125	514,179	53,013	510,461	775,016	286,673	45,843	2,594,506	27,751	244,068	702,709	60,906
71	U TX MD Anderson Cntr Ctr	31,805	0	0	0	0	0	18	31,477	0	0	164	0
72	Wayne State University	31,162	0	0	986	0	0	146	26,910	63	195	2,700	5
73	University of Oklahoma	31,118	0	950	752	8,869	2,685	295	13,570	145	186	3,514	152
74	Auburn University	30,497	13,708	82	2,782	5,600	1,442	375	518	548	3,052	1,060	1,330
75	North Dakota State Univ	30,009	12,327	85	552	15,051	0	0	39	209	0	656	1,090
76	University of N Dakota	29,843	4,969	519	0	9,217	8,819	826	2,309	241	62	478	2,403
77	University of Oregon Main	29,470	151	0	1,376	11,596	2,053	0	8,972	135	174	5,013	0
78	University of Mississippi	29,349	6,624	0	521	11,036	185	0	8,864	1,334	303	388	94
79	Univ of South Carolina	29,190	0	3,330	919	8,073	1,103	873	9,603	44	22	5,223	0
80	San Diego State Univ	25,688	71	47	3,563	8,262	1,622	250	8,463	179	546	2,685	0
Total 1st 80 institutions		6,113,256	552,029	58,026	521,912	852,720	304,900	48,611	2,705,231	30,649	248,608	724,590	65,980
81	Univ of Rhode Island	24,724	2,600	2,633	3,176	4,587	40	617	3,575	457	973	5,247	819
82	Univ of New Hampshire	24,694	3,452	2,663	491	1,918	705	847	1,727	224	8,385	4,119	163
83	Ohio University	24,618	102	0	525	19,984	425	0	1,124	0	235	684	1,539
84	University of New Mexico	24,591	3	43	853	362	1,644	180	15,695	5	1,348	4,447	11
85	Univ of South Florida	24,459	0	166	1,552	9,351	227	71	9,735	579	728	1,899	151
86	Univ of Alaska Fairbanks	24,256	1,259	933	265	2,278	1,092	100	403	396	7,682	9,848	0
87	Southern U & A&M College	23,909	3,894	0	102	18,134	100	0	1,130	50	309	190	0
88	U Tex Med Brnch Galveston	23,503	0	0	164	375	0	178	21,768	0	401	617	0
89	Univ of Cal Santa Cruz	23,409	40	0	1,001	4,410	1,759	0	4,308	8,476	793	5,622	0
90	U of Houston Univ Park	23,108	30	0	1,774	8,865	817	0	4,399	25	4,879	2,359	0
Total 1st 90 institutions		6,354,527	563,409	64,464	531,815	922,984	311,709	50,604	2,769,055	37,861	274,341	759,622	68,663
91	Univ of Ark Fayetteville	22,730	6,540	250	417	9,428	215	180	1,001	16	141	1,543	2,999
92	University of Delaware	22,405	3,001	1,345	2,020	4,073	1,000	272	4,384	223	1,096	4,991	0
93	Clemson University	22,398	11,826	236	2,403	4,060	140	248	663	236	958	1,519	109
94	Southern Ill U-Carbondale	22,002	691	0	780	14,978	75	0	3,870	251	159	1,198	0
95	Univ Alabama Huntsville	21,469	0	0	3,796	1,133	0	0	362	0	15,624	554	0
96	SUNY at Albany	21,285	0	2,298	3,032	1,108	1,224	1,842	6,677	0	635	4,469	0
97	Montana State University	21,125	5,605	100	239	7,544	51	519	2,232	332	148	4,244	111
98	University of Wyoming	18,721	3,466	0	1,042	6,587	324	70	1,531	546	259	4,545	351
99	Florida A & M University	18,068	3,157	100	735	9,229	16	0	2,647	0	993	1,029	162
100	University of Idaho	17,899	6,474	30	315	5,324	65	321	920	1,405	1,726	1,319	0
Total 1st 100 institutions		6,562,629	604,169	68,823	546,594	986,448	314,819	54,056	2,793,342	40,870	296,080	785,033	72,395

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-15. Federal obligations to the 100 private universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	6,144,809	49,362	16,316	747,070	1,853,036	231,105	21,121	2,470,497	12,780	166,417	552,481	24,624
1	Johns Hopkins University	616,048	154	295	378,231	8,401	2,325	353	209,488	0	4,920	9,733	2,148
2	Stanford University	280,484	0	30	37,561	8,574	23,028	2,298	126,490	267	49,184	33,052	0
3	Mass Inst of Technology	247,655	0	2,791	49,509	5,923	59,693	539	58,633	341	21,415	45,721	3,090
4	Cornell University	196,461	21,730	382	13,850	11,346	4,445	1,293	70,632	445	5,854	65,186	1,298
5	Howard University	186,575	110	53	912	170,125	128	122	8,213	0	1,275	5,438	199
6	Columbia Univ Main Div	181,551	5	736	10,075	11,917	7,047	480	111,396	1,487	5,498	32,810	100
7	Harvard University	179,329	0	65	7,021	7,928	5,546	953	124,785	225	3,885	22,302	2,619
8	Univ of Pennsylvania	169,525	303	81	11,008	12,149	6,808	6	123,224	0	496	14,937	513
9	Yale University	164,044	279	30	6,276	5,226	9,647	182	130,119	0	905	11,380	0
10	Univ of Southern Cal	144,078	0	684	38,184	12,607	1,428	727	74,248	161	5,454	10,465	120
	Total 1st 10 institutions	2,361,750	22,581	5,147	552,627	254,196	120,095	6,953	1,037,228	2,926	98,886	251,024	10,087
11	Washington University	134,042	399	0	2,122	5,323	1,732	100	116,101	0	2,742	5,523	0
12	Duke University	131,020	510	167	5,248	3,437	4,362	1,558	103,583	0	787	11,368	0
13	University of Chicago	121,378	0	193	2,370	5,900	19,662	0	69,058	5	6,153	18,027	0
14	University of Rochester	115,415	117	0	6,736	3,264	17,222	0	77,611	0	213	10,252	0
15	New York University	92,792	2	0	4,499	10,945	3,933	958	64,664	0	444	7,347	0
16	Case Western Reserve Univ	82,839	0	0	3,687	3,549	421	347	61,522	0	7,515	5,798	0
17	Vanderbilt University	82,613	0	0	3,336	4,815	1,814	0	66,949	0	2,703	2,966	30
18	University of Miami	79,896	0	2,132	4,065	7,564	439	0	55,125	40	1,843	8,688	0
19	Baylor Col of Medicine	78,235	7,962	0	687	1,428	384	0	66,991	0	745	38	0
20	California Inst of Tech	77,647	0	90	10,872	0	9,376	314	17,117	1,501	9,646	28,731	0
	Total 1st 20 institutions	3,357,627	31,571	7,729	596,249	300,421	179,440	10,230	1,735,959	4,472	131,677	349,762	10,117
21	Northwestern University	76,004	50	15	6,761	9,033	3,916	0	40,731	91	1,183	14,224	0
22	Boston University	75,650	0	100	6,394	10,866	3,017	111	47,010	0	1,010	7,142	0
23	Yeshiva University	75,080	0	0	234	886	0	0	73,510	0	0	450	0
24	Emory University	59,191	0	0	799	3,287	82	0	52,554	0	297	2,172	0
25	Princeton University	58,764	0	1,192	8,849	4,279	6,230	708	15,041	116	4,089	18,260	0
26	Carnegie-Mellon Univ	56,900	125	0	22,451	4,638	4,062	0	6,612	308	2,822	15,452	430
27	Woods Hole Oceanogrphic Inst	53,690	0	1,623	21,259	0	601	301	261	0	429	29,216	0
28	CUNY Mount Sinai Schl Med	51,910	0	0	0	4,205	101	86	47,151	0	216	151	0
29	Gallaudet University	49,819	0	0	0	48,944	0	0	434	0	51	390	0
30	Tufts University	43,658	11,303	0	381	2,304	1,017	3,241	23,786	31	30	1,565	0
	Total 1st 30 institutions	3,958,293	43,049	10,659	663,377	388,863	198,466	14,677	2,043,049	5,018	141,804	438,784	10,547
31	Georgetown University	43,508	355	13	2,414	6,877	295	375	31,062	0	0	1,197	920
32	Rochester Inst Technology	43,032	0	0	0	42,494	0	0	0	0	129	409	0
33	Brown University	42,228	0	77	7,051	5,712	4,062	0	14,770	296	1,332	8,928	0
34	Inter Am U Pr-San German	41,380	0	0	0	41,351	0	0	0	0	0	29	0
35	Rockefeller University	37,279	0	0	146	0	1,255	15	35,101	0	0	762	0
36	Puerto Rico Jr Col	36,302	0	0	0	36,302	0	0	0	0	0	0	0
37	Dartmouth College	36,294	230	0	2,121	2,990	576	0	27,509	0	916	1,952	0
38	Wake Forest University	33,081	0	248	209	1,243	168	0	30,197	0	312	704	0
39	George Washington Univ	29,299	0	91	2,546	4,512	647	174	17,644	0	2,614	1,071	0
40	Tulane University	29,245	0	0	289	5,017	0	0	20,593	0	140	958	2,248
	Total 1st 40 institutions	4,329,941	43,634	11,088	678,153	535,361	205,469	15,241	2,219,925	5,314	147,247	454,794	13,715
41	University of Dayton	26,725	0	60	22,477	2,873	0	548	87	0	154	473	53
42	Thomas Jefferson Univ	25,424	44	0	1,042	1,453	0	0	20,639	0	0	171	2,075
43	Syracuse University	23,753	188	0	3,261	10,113	1,159	37	5,607	199	138	3,051	0
44	Northeastern University	22,961	0	0	1,849	11,120	503	2	4,778	8	126	4,437	138
45	Medical College of Wis	22,918	75	0	0	240	0	193	21,422	0	287	353	348
46	Catholic Univ of P R	22,536	0	0	0	22,139	0	0	397	0	0	0	0
47	Brigham Young Univ	22,009	107	0	254	17,033	841	143	880	0	0	2,751	0
48	Rensselaer Polytech Inst	21,789	0	3,155	5,419	0	2,651	404	1,894	0	1,849	6,219	198
49	Meharry Medical College	21,405	0	0	598	3,808	155	203	15,136	0	0	1,505	0
50	Brandeis University	21,173	0	0	155	1,829	594	0	13,572	0	377	4,146	500
	Total 1st 50 institutions	4,560,634	44,048	14,303	713,208	605,969	211,372	16,771	2,304,337	5,521	150,178	477,900	17,027

See explanatory material, if any, and SOURCE, at end of table.

Table C-15. Federal obligations to the 100 private universities and colleges receiving the largest amounts, by agency: fiscal year 1990

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Rice University	21,047	0	106	2,110	0	2,213	520	2,947	32	1,848	11,271	0
52	University of Notre Dame	17,112	0	40	1,111	3,966	4,008	280	3,220	0	252	4,235	0
53	Tuskegee University	16,610	3,815	0	693	8,963	184	0	4,103	0	452	400	0
54	St Louis University	16,238	0	127	197	2,096	0	0	12,168	805	55	729	61
55	ITT Tech Inst-Indianapol	14,728	0	0	0	14,728	0	0	0	0	0	0	0
56	Medical Col of Penn	13,829	0	0	123	262	0	0	13,444	0	0	0	0
57	Loyola Univ - Chicago	13,684	13	0	327	5,380	20	97	6,629	0	0	1,213	5
58	Morehouse School of Med	13,171	0	0	0	5,218	0	289	7,614	0	0	50	0
59	Lehigh University	12,552	44	266	2,102	1,489	1,693	300	1,003	40	259	5,356	0
60	Clark Atlanta University	11,884	0	80	1,600	3,629	4,424	0	192	0	302	1,657	0
Total 1st 60 institutions		4,711,489	47,920	14,922	721,471	649,700	223,914	18,257	2,355,657	6,398	153,346	502,811	17,093
61	Hampton University	11,808	0	100	1,199	4,949	396	28	1,587	0	2,321	1,225	3
62	New York Medical College	11,336	0	0	0	790	74	0	10,274	0	58	138	2
63	Marquette University	10,491	200	0	71	7,154	82	34	1,535	0	373	1,042	0
64	Illinois Inst of Tech	10,247	0	0	3,023	2,016	0	666	3,331	0	103	1,108	0
65	Drexel University	9,918	0	10	1,673	2,683	329	517	1,682	10	562	2,452	0
66	Univ of the Sacred Heart	9,748	0	0	0	9,709	0	0	0	0	0	39	0
67	Boston College	9,427	0	0	0	4,842	0	108	3,074	155	181	866	201
68	Xavier University of LA	9,200	0	100	353	5,212	0	77	3,458	0	0	0	0
69	Long Island University	9,074	0	0	0	8,574	0	0	145	0	0	355	0
70	Southern Methodist Univ	9,054	0	0	4,961	2,488	184	0	767	0	87	567	0
Total 1st 70 institutions		4,811,792	48,120	15,132	732,751	698,117	224,979	19,687	2,381,510	6,563	157,031	510,603	17,299
71	Hahnemann University	8,591	0	0	643	916	0	0	7,020	0	0	12	0
72	Touro College	8,270	0	0	0	8,270	0	0	0	0	0	0	0
73	American Univ Puerto Rico	7,860	0	0	0	7,860	0	0	0	0	0	0	0
74	Albany Medical College	7,772	0	0	0	217	0	0	7,498	0	0	57	0
75	University of Denver	7,314	0	0	2,762	0	123	73	1,872	38	1,211	1,235	0
76	Eastern VA Medical School	7,288	0	0	0	228	0	0	2,771	0	139	0	4,150
77	Turabo University College	7,199	0	0	0	7,199	0	0	0	0	0	0	0
78	Creighton University	7,073	0	0	100	3,454	0	0	3,456	0	0	63	0
79	St John's University (NY)	6,447	0	0	0	5,947	0	0	496	0	0	4	0
80	Clarkson University	6,359	0	127	629	1,731	389	0	171	98	1,889	1,325	0
Total 1st 80 institutions		4,885,965	48,120	15,259	736,885	733,939	225,491	19,760	2,404,794	6,699	160,270	513,299	21,449
81	Charles R. Drew Med&Sci	6,251	0	0	0	500	0	0	5,751	0	0	0	0
82	Catholic Univ of America	6,152	82	217	1,796	1,316	262	0	940	0	911	628	0
83	Polytechnic University	6,101	0	0	2,922	1,844	184	2	0	0	180	969	0
84	Bethune Cookman College	5,817	0	0	0	4,996	0	0	787	1	0	33	0
85	Bayamon Central Univ	5,751	0	0	0	5,751	0	0	0	0	0	0	0
86	Caribbean University	5,725	0	0	0	5,725	0	0	0	0	0	0	0
87	Baylor University	5,446	4	0	406	3,602	0	0	860	0	0	566	0
88	Morehouse College	5,414	0	0	169	3,701	0	0	1,435	0	0	0	109
89	Baker College of Flint	5,367	0	0	0	5,367	0	0	0	0	0	0	0
90	Benedict College	5,327	0	100	0	4,243	0	0	874	0	0	16	94
Total 1st 90 institutions		4,943,316	48,206	15,576	742,178	770,984	225,937	19,762	2,415,441	6,703	161,366	515,511	21,652
91	College of New Rochelle	5,298	0	0	0	4,445	0	0	39	0	0	814	0
92	Texas Christian Univ	5,242	9	0	170	2,535	0	0	2,262	0	0	266	0
93	Davenport College	5,119	0	0	0	5,119	0	0	0	0	0	0	0
94	Loma Linda University	5,097	0	0	0	2,025	0	0	2,957	0	0	115	0
95	Fordham University	4,904	0	0	0	3,297	0	0	1,452	0	0	155	0
96	St Augustines College	4,809	0	0	0	4,747	0	0	30	3	0	29	0
97	Ricks College	4,723	0	0	0	4,723	0	0	0	0	0	0	0
98	Liberty University	4,664	0	0	0	4,664	0	0	0	0	0	0	0
99	Pace University	4,637	0	0	0	4,093	0	0	544	0	0	0	0
100	Rider College	4,570	0	0	0	4,423	0	0	110	0	37	0	0
Total 1st 100 institutions		4,992,379	48,215	15,576	742,348	811,055	225,937	19,762	2,422,835	6,706	161,403	516,890	21,652

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
United States, total	15,204,563	10,461,699	9,031,047	124,841	19,241	409,871	142,532	734,167	4,742,864
Alabama, total	277,316	154,717	129,701	0	142	7,126	3,884	13,864	122,599
Al Christian Schl of Relg	53	0	0	0	0	0	0	0	53
Ala Avn and Tech College	220	220	220	0	0	0	0	0	0
Alabama A & M University	12,449	7,920	4,702	0	0	442	649	2,127	4,529
Alabama State University	7,317	460	0	0	0	168	292	0	6,857
Alexander City St Jr Col	32	0	0	0	0	0	0	0	32
Athens State College	995	0	0	0	0	0	0	0	995
Auburn University	30,497	25,378	15,697	0	13	575	135	8,958	5,119
Birmingham Southern Col	801	124	124	0	0	0	0	0	677
Bishop St Comm Col	2,177	0	0	0	0	0	0	0	2,177
Brewer State Junior Col	867	0	0	0	0	0	0	0	867
C A Fredd State Tech Coll	718	16	0	0	0	0	16	0	702
Carver State Tech College	1,271	0	0	0	0	0	0	0	1,271
Chattahoochee Val St CC	389	0	0	0	0	0	0	0	389
Chauncey Sparks St Tech	659	0	0	0	0	0	0	0	659
Concordia College	1,254	0	0	0	0	0	0	0	1,254
Douglas Macarthur St Te C	728	0	0	0	0	0	0	0	728
Draughton's Junior College	298	0	0	0	0	0	0	0	298
Enterprise State JC	1,347	23	0	0	0	0	0	23	1,324
Faulkner State Junior Col	1,457	0	0	0	0	0	0	0	1,457
Faulkner University	1,229	0	0	0	0	0	0	0	1,229
G C Wallace St C C Dothan	1,123	0	0	0	0	0	0	0	1,123
G C Wallace St CC Selma	866	0	0	0	0	0	0	0	866
Gadsden Jr Comm College	2,285	0	0	0	0	0	0	0	2,285
Huntingdon College	422	0	0	0	0	0	0	0	422
J F Drake St Tech	738	0	0	0	0	0	0	0	738
Jacksonville State Univ	3,657	90	90	0	0	0	0	0	3,567
Jefferson Davis St Jr Col	705	0	0	0	0	0	0	0	705
Jefferson State Comm Coll	3,056	0	0	0	0	0	0	0	3,056
Judson College	194	0	0	0	0	0	0	0	194
Lawson State Cmty College	2,249	0	0	0	0	0	0	0	2,249
Livingston University	1,460	34	0	0	34	0	0	0	1,426
Lurleen B Wallace St Jr C	1,072	0	0	0	0	0	0	0	1,072
Marion Military Institute	216	0	0	0	0	0	0	0	216
Miles College	1,984	0	0	0	0	0	0	0	1,984
Mobile College	815	0	0	0	0	0	0	0	815
N F Nunnally St Tech C	231	0	0	0	0	0	0	0	231
National Inst of Tech	93	0	0	0	0	0	0	0	93
Northeast Ala St Jr Col	807	0	0	0	0	0	0	0	807
Northwest AL Comm Coll	1,698	0	0	0	0	0	0	0	1,698
Oakwood College	2,358	180	0	0	0	180	0	0	2,178
Patrick Henry St Jr Col	665	0	0	0	0	0	0	0	665
R.E.T.S. Electronic Inst	819	0	0	0	0	0	0	0	819
Samford University	1,200	0	0	0	0	0	0	0	1,200
Selma University	1,657	814	140	0	0	0	674	0	843
Shelton State Cmty Col	2,025	0	0	0	0	0	0	0	2,025
Shoals Community College	1,067	0	0	0	0	0	0	0	1,067
Snead State Junior Col	589	0	0	0	0	0	0	0	589
Southeastern Bible Col	93	0	0	0	0	0	0	0	93
Southern Junior College	3,067	0	0	0	0	0	0	0	3,067
Southern Technical Coll	398	0	0	0	0	0	0	0	398
Southern Union St Jr Col	1,017	0	0	0	0	0	0	0	1,017
Southwest St Tech Col	709	0	0	0	0	0	0	0	709
Spring Hill College	2,318	0	0	0	0	0	0	0	2,318
Stillman College	3,105	287	0	0	0	114	173	0	2,818
Talladega College	2,722	333	0	0	39	197	97	0	2,389
The University of Alabama	11,526	4,721	3,451	0	0	609	158	503	6,805
Tranholm St Tech Col	1,442	45	0	0	0	0	45	0	1,397
Troy St U-Dothan-Ft Rucke	109	0	0	0	0	0	0	0	109
Troy St U-Montgomery	313	205	0	0	0	0	205	0	108
Troy St Univ Main Campus	3,180	0	0	0	0	0	0	0	3,180
Tuskegee University	16,610	7,174	4,151	0	0	299	844	1,880	9,436
Univ of Alabama Sys Off	1	0	0	0	0	0	0	0	1
Univ of North Alabama	2,385	6	0	0	0	6	0	0	2,379
Univ of South Alabama	12,954	7,755	7,191	0	32	252	106	174	5,199
Univ Alabama Birmingham	88,925	78,952	74,529	0	0	3,734	490	199	9,973
Univ Alabama Huntsville	21,469	19,974	19,406	0	18	550	0	0	1,495
University of Montevallo	1,562	0	0	0	0	0	0	0	1,562
Walker College	560	0	0	0	0	0	0	0	560
Walker State Tech C	1,254	0	0	0	0	0	0	0	1,254
Wallace St CC-Hanceville	2,788	0	0	0	0	0	0	0	2,788
Alaska, total	33,247	26,976	25,060	83	0	48	219	1,566	6,271
Alaska Bible College	10	0	0	0	0	0	0	0	10
Alaska Business College	534	0	0	0	0	0	0	0	534
Alaska Pacific University	246	34	33	0	0	1	0	0	212
Sheldon Jackson College	317	0	0	0	0	0	0	0	317
Univ of Alaska Anchorage	4,788	1,943	1,670	0	0	0	5	268	2,845

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Alaska, cont'd									
Univ of Alaska Fairbanks	24,256	22,104	20,462	83	0	47	214	1,298	2,152
Univ of Alaska Southeast	1,804	1,603	1,603	0	0	0	0	0	201
Univ of Alaska System Off	1,292	1,292	1,292	0	0	0	0	0	0
Arizona, total	175,490	128,716	115,683	1,209	83	3,664	1,837	6,240	46,774
Amer Grad Sch Intl Managm	245	46	46	0	0	0	0	0	199
American Indian Bible Ins	148	0	0	0	0	0	0	0	148
Arizona Col of the Bible	113	0	0	0	0	0	0	0	113
Arizona State University	36,079	20,898	19,176	483	0	456	64	719	15,181
Central Arizona College	16	16	0	0	16	0	0	0	0
Eastern Arizona College	1,300	7	0	0	0	7	0	0	1,293
Glendale Community Col	1	1	0	0	0	1	0	0	0
Grand Canyon University	1,673	18	0	0	0	16	0	0	1,657
ITT Tech Inst - Phoenix	104	0	0	0	0	0	0	0	104
ITT Tech Inst - Tucson	57	0	0	0	0	0	0	0	57
Maricopa Co C C Sys Off	800	800	800	0	0	0	0	0	0
Maricopa Tech Cmty Col	2	2	0	0	0	2	0	0	0
Mesa Community College	3	3	0	0	0	3	0	0	0
Navajo Community College	4,908	119	0	0	0	0	119	0	4,789
Northern Arizona Univ	11,220	4,131	2,837	97	67	238	549	343	7,089
Northland Pioneer College	768	35	0	0	0	1	0	34	733
Phoenix College	15	15	0	0	0	15	0	0	0
Prescott College	494	234	0	0	0	0	0	0	260
South Mountain Cmty Col	1,080	238	0	0	0	0	92	142	842
SW Con Baptist Bible Coll	117	0	0	0	0	0	238	0	117
Univ & St Col of Ariz S O	86	86	0	0	0	0	0	86	0
University of Arizona	115,217	102,069	92,824	629	0	2,925	775	4,916	13,148
University of Phoenix	892	0	0	0	0	0	0	0	892
Western International U	152	0	0	0	0	0	0	0	152
Arkansas, total	100,948	36,237	23,586	647	199	611	1,158	10,036	64,711
Arkansas Baptist College	812	0	0	0	0	0	0	0	812
Arkansas College	949	32	0	0	32	0	0	0	917
Arkansas College of Tech	175	0	0	0	0	0	0	0	175
Arkansas State University	14,577	227	157	0	0	0	0	70	14,350
Arkansas Tech University	3,124	838	838	0	0	0	0	0	2,286
Capital City Junior Col	954	0	0	0	0	0	0	0	954
Central Baptist College	159	0	0	0	0	0	0	0	159
College of the Ozarks	759	0	0	0	0	0	0	0	759
Crowley's Ridge College	151	0	0	0	0	0	0	0	151
East Ark Cmty Col	1,140	0	0	0	0	0	0	0	1,140
Garland Co Cmty Col	976	0	0	0	0	0	0	0	976
Harding University	2,277	0	0	0	0	0	0	0	2,277
Henderson State Univ	2,666	59	59	0	0	0	0	0	2,607
Harding College	625	41	41	0	0	0	0	0	584
John Brown University	610	1	1	0	0	0	0	0	609
Ouachita Baptist Univ	1,424	77	77	0	0	0	0	0	1,347
Philander Smith College	2,068	128	0	0	0	0	128	0	1,940
Phillips County Cmty Col	1,433	0	0	0	0	0	0	0	1,433
Shorter College	527	0	0	0	0	0	0	0	527
Southern Arkansas Univ	2,936	0	0	0	0	0	0	0	2,936
U of Ark at Monticello	2,053	68	0	0	0	0	0	68	1,985
U of Arkansas Med Sci Cam	9,285	6,883	6,650	0	0	1	103	129	2,402
Univ of Ark Fayetteville	22,730	15,515	13,832	647	0	0	214	822	7,215
Univ of Ark Little Rock	11,888	8,449	586	0	167	11	303	7,382	3,439
Univ of Ark Pine Bluff	9,879	3,838	1,345	0	0	597	410	1,486	6,041
Univ of Central Arkansas	4,765	79	0	0	0	0	0	79	4,686
Westark Community College	1,314	2	0	0	0	2	0	0	1,312
Williams Baptist College	692	0	0	0	0	0	0	0	692
California, total	1,728,020	1,448,281	1,317,370	10,104	1,612	72,572	12,796	33,827	279,739
Academy of Art	552	0	0	0	0	0	0	0	552
American Conserv Theatre	104	0	0	0	0	0	0	0	104
Art Ctr Col of Design	1,082	0	0	0	0	0	0	0	1,082
Art Inst of South Calif	70	0	0	0	0	0	0	0	70
Azusa Pacific University	1,299	0	0	0	0	0	0	0	1,299
Baratow College	378	0	0	0	0	0	0	0	378
Bethany Bible College	377	0	0	0	0	0	0	0	377
Biola University	1,010	16	0	0	0	16	0	0	994
Brooks Institute	289	0	0	0	0	0	0	0	289
Cal Col of Podiatric Med	323	0	0	0	0	0	0	0	323
Cal Inst Integral Studies	30	0	0	0	0	0	0	0	30
Cal Poly St U San Luis Ob	7,979	1,190	846	0	210	71	63	0	6,789
Cal Sch Prof Psych-Barkly	12	12	0	0	0	12	0	0	0
Cal Sch Prof Psych-Fresno	829	38	0	0	0	38	0	0	791
Cal St U - San Bernadino	2,521	22	22	0	0	0	0	0	2,499
Cal St U Dominguez Hills	2,750	660	367	0	47	62	184	0	2,090

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering						Non- science and engi- neering	
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
California, cont'd									
Cal Western School of Law	243	0	0	0	0	0	0	0	243
Calif Inst of the Arts	543	0	0	0	0	0	0	0	543
Calif St Poly Univ Pomona	6,148	829	424	0	200	0	205	0	5,319
Calif St U Bakersfield	2,041	222	30	0	0	17	0	175	1,819
Calif St Univ Fullerton	1,980	1,856	1,664	0	74	0	118	0	124
Calif St Univ Hayward	2,940	282	160	0	35	0	0	87	2,658
Calif St Univ Long Beach	9,426	2,628	1,640	0	104	244	384	1	6,798
Calif St Univ Los Angeles	12,128	5,092	3,200	0	0	210	1,112	570	7,036
Calif St Univ Northridge	8,359	1,441	839	0	0	602	0	131	6,812
Calif St Univ Sacramento	6,275	463	180	0	152	0	1	264	1,832
Calif St Univ Stanislaus	2,231	399	19	0	0	1	115	283	6,851
Calif State Univ Chico	7,218	367	8	0	70	6	0	0	6,345
Calif State Univ Fresno	6,430	85	39	0	0	46	0	0	462
California Baptist Col	462	0	0	0	0	0	152	3,596	0
California Inst of Tech	77,647	77,647	69,228	521	0	4,150	0	0	822
California Lutheran Col	822	0	0	0	0	0	0	0	305
California Maritime Acad	305	0	0	0	0	0	0	0	508
Canada College	508	0	0	0	0	0	0	0	1,567
Cerritos College	1,567	0	0	0	0	0	0	0	265
Cerro Coso Comm College	265	0	0	0	0	0	0	0	1,591
Chapman College	1,591	0	0	0	0	0	0	0	1,920
Charles R. Drew Med&Sci	6,251	4,323	3,814	0	0	303	206	0	274
Christian Heritage Coll	274	0	0	0	0	0	0	0	14
Church Div School Pacific	14	0	0	0	0	0	0	0	478
Claremont Mckenna College	478	0	0	0	0	0	0	2	109
Claremont U Ctr & Grad Sc	130	21	19	0	0	0	0	0	136
Cleveland Chiropractic C	136	0	0	0	0	0	0	0	61
Cogswell Polytech Coll	61	0	0	0	0	0	0	0	1,019
Col Osteo Med of Pacific	1,019	0	0	0	0	0	0	0	471
College of the Siskiyous	471	0	0	0	0	0	0	0	270
College of Notre Dame	270	0	0	0	0	0	0	0	468
College of Oceanaring	468	0	0	0	0	0	0	0	12
Ctr for Early Education	12	0	0	0	0	0	0	0	938
Cypress College	938	0	0	0	0	0	0	0	492
D-Q University	492	0	0	0	0	0	0	0	273
Dominican Col San Rafael	273	0	0	0	0	0	0	0	65
Don Bosco Technical Inst	65	0	0	0	0	0	4	0	0
East Los Angeles College	4	4	0	0	0	0	0	0	0
Evergreen Valley College	71	71	71	0	0	0	0	0	2,605
Fashion Inst-Design & Mer	2,605	0	0	0	0	0	0	0	0
Five Colleges Inc.	44	44	44	0	0	0	0	1,500	0
Foothill College	1,500	1,500	0	0	0	0	0	0	0
Foothill-Deanza CC Sys Of	288	288	286	0	0	2	0	0	3,648
Fresno City College	3,648	0	0	0	0	0	0	0	471
Fresno Pacific College	471	0	0	0	0	0	0	0	64
Fuller Theological Sem	64	0	0	0	0	0	0	0	493
Golden Gate University	493	0	0	0	57	0	0	0	0
Golden West College	93	93	36	0	0	0	0	0	56
Graduate Theol Union	56	1	0	0	0	1	0	0	829
Grossmont College	1	0	0	0	0	0	0	0	177
Harvey Mudd College	1,086	257	257	0	0	0	0	0	107
Heald Bus Coll Rohmrt Pk	177	0	0	0	0	0	0	0	1,006
Heald Business College	107	0	0	0	0	0	0	0	259
Heald C-San Francisco	1,006	0	0	0	0	0	0	0	154
Heald C-Walnut Creek	259	0	0	0	0	0	0	0	139
Heald College-Oakland	154	0	0	0	0	0	0	0	154
Heald College-San Jose	139	0	0	0	0	0	0	0	620
Heald Inst Tech	154	0	0	0	0	0	0	0	253
Heald Inst Tech-San Fran	620	0	0	0	0	0	0	0	206
Holy Names College	253	0	0	0	0	24	0	0	281
Humboldt State University	863	657	633	0	0	0	0	0	65
Humphreys College	281	0	0	0	0	0	0	0	70
ITT Tech Inst-Buena Park	65	0	0	0	0	0	0	0	151
ITT Tech Inst-Van Nuys	70	0	0	0	0	0	0	121	137
ITT Tech Inst-West Cva	151	134	0	0	0	13	321	0	0
John F Kennedy University	271	321	0	0	0	0	0	0	200
L A City Jr Col Dist S O	321	0	0	0	0	0	0	0	659
L.I.F.E. Bible College	200	0	0	0	0	0	0	0	2,630
Lassen College	659	0	0	0	0	105	37	0	3,315
Loma Linda University	5,097	2,467	2,325	0	0	0	0	0	413
Long Beach City College	3,315	0	0	0	0	0	0	0	690
Los Angeles Bapt Coll&Sem	413	0	0	0	0	0	0	0	29
Los Angeles Valley Col	690	0	0	0	0	0	98	75	2,298
Louise Salinger Academy	29	0	0	0	83	0	0	0	20
Loyola Marymount Univ	2,554	256	0	0	0	0	0	0	248
Manor Fashion Institute	20	0	0	0	0	0	0	0	0
Marymount Palos Verde	248	0	0	0	0	0	0	0	916
Merritt College	176	176	176	0	0	0	0	0	344
Mills College	1,008	92	92	0	0	0	0	0	0
Mission College	344	0	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
California, cont'd									
Monterey Inst Intl Study	19	19	19	0	0	0	0	0	0
Monterey Peninsula Col	1,024	0	0	0	0	0	0	0	1,024
Mount St Mary's College	1,445	291	0	0	0	10	205	76	1,154
National Hispanic Univ.	741	77	77	0	0	0	0	0	664
National University	1,792	0	0	0	0	0	0	0	1,792
New College of California	726	0	0	0	0	0	0	0	726
Northrop University	135	0	0	0	0	0	0	0	135
Occidental College	455	455	383	0	72	0	0	0	0
Pac Coast Bptst Bible C	102	0	0	0	0	0	0	0	102
Pacific Christian College	227	0	0	0	0	0	0	0	227
Pacific Grad Sch of Psych	22	0	0	0	0	0	0	0	22
Pacific Lutheran Theo Sem	14	0	0	0	0	0	0	0	14
Pacific Oaks College	399	0	0	0	0	0	0	0	399
Pacific Sch of Religion	89	0	0	0	0	0	0	0	89
Pacific Union College	1,237	0	0	0	0	0	0	0	1,237
Patten College	97	0	0	0	0	0	0	0	97
Pepperdine University	1,640	439	439	0	0	0	0	0	1,201
Pitzer College	830	259	213	0	46	0	0	0	571
Point Loma College	910	32	32	0	0	0	0	0	878
Pomona College	1,129	326	326	0	0	0	0	0	803
Pres Off CA Sc Prof Psych	80	0	0	0	0	0	0	0	80
Rio Hondo College	2,333	0	0	0	0	0	0	0	2,333
Riverside City College	1,057	0	0	0	0	0	0	0	1,057
Saddleback College	528	0	0	0	0	0	0	0	528
San Diego Miramar College	335	0	0	0	0	0	0	0	335
San Diego State Univ	25,688	15,796	15,500	0	0	204	92	0	9,892
San Francisco State Univ	12,116	3,910	3,293	0	38	0	134	445	8,206
San Joaquin Delta College	3,067	0	0	0	0	0	0	0	3,067
San Jose Bible College	119	0	0	0	0	0	0	0	119
San Jose City College	42	42	0	0	42	0	0	0	0
San Jose State University	17,041	9,354	6,628	0	169	113	578	1,866	7,687
Santa Clara University	2,102	915	658	0	0	0	177	80	1,187
Santa Rosa Junior College	1	1	0	0	0	1	0	0	0
Saybrook Institute	5	0	0	0	0	0	0	0	5
Sch of Theology Claremont	61	0	0	0	0	0	0	0	61
Scripps College	462	0	0	0	0	0	0	0	462
Shasta Bible College	2	0	0	0	0	0	0	0	2
Sierra College	728	0	0	0	0	0	0	0	728
Simpson College (Cal)	319	0	0	0	0	0	0	0	319
Skyline College	923	0	0	0	0	0	0	0	923
Solano Co Cmty College	690	0	0	0	0	0	0	0	690
Sonoma State University	2,887	44	44	0	0	0	0	0	2,843
Southern Cal Col Optmtry	209	0	0	0	0	0	0	0	209
Southern California Col	537	0	0	0	0	0	0	0	537
Southwestern College	2,193	345	0	0	0	0	67	278	1,848
Southwestern U Sch of Law	436	0	0	0	0	0	0	0	436
St John's Col Calif	116	0	0	0	0	0	0	0	116
St Joseph's College	66	0	0	0	0	0	0	0	66
St Mary's Col California	547	0	0	0	0	0	0	0	547
Stanford University	280,484	273,508	247,992	6,336	0	16,083	605	2,492	6,976
State Ctr Comm Coll Dist	100	0	0	0	0	0	0	0	100
Taft College	325	0	0	0	0	0	0	0	325
U of Cal Sys Wide Prgrms	14,690	14,142	3,882	0	0	150	0	10,110	548
Univ of Cal Berkeley	156,170	142,197	123,983	0	0	12,812	798	4,604	13,973
Univ of Cal Davis	84,983	72,093	68,952	259	0	1,909	460	513	12,890
Univ of Cal Irvine	84,278	57,166	53,429	120	0	1,887	1,002	728	7,112
Univ of Cal Los Angeles	205,843	188,411	176,735	368	0	8,501	1,148	1,659	17,432
Univ of Cal Riverside	15,231	12,374	11,498	0	0	292	315	269	2,857
Univ of Cal San Diego	184,033	175,266	165,224	135	54	8,738	837	278	8,767
Univ of Cal San Francisco	186,228	180,398	167,270	184	0	10,989	1,547	408	5,830
Univ of Cal Santa Barbara	52,020	45,373	41,661	28	0	466	650	2,568	6,647
Univ of Cal Santa Cruz	23,409	18,999	17,530	465	0	351	653	0	4,410
Univ of San Francisco	2,629	882	897	0	0	94	91	0	1,747
Univ of Southern Cal	144,078	129,396	122,734	1,688	0	3,977	423	574	14,682
Univ of West Los Angeles	32	0	0	0	0	0	0	0	32
University of the Pacific	3,629	978	817	0	0	72	15	74	2,651
University of La Verne	1,285	0	0	0	0	0	0	0	1,285
University of Redlands	1,083	17	0	0	17	0	0	0	1,066
University of San Diego	1,572	754	635	0	119	0	0	0	818
US International Univ	1,007	0	0	0	0	0	0	0	1,007
Victor Valley College	811	0	0	0	0	0	0	0	811
West Coast Bible College	198	0	0	0	0	0	0	0	198
West Coast University	123	0	0	0	0	0	0	0	123
West Hills College	1,211	0	0	0	0	0	0	0	1,211
West Los Angeles College	730	0	0	0	0	0	0	0	730
Westmont College	482	45	45	0	0	0	0	0	437
Westrn St U C Law Sys Off	538	0	0	0	0	0	0	0	538
Whittier College	797	23	0	0	23	0	0	0	774
Woodbury University	495	0	0	0	0	0	0	0	495
World College West	137	0	0	0	0	0	0	0	137

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering	
California, cont'd									
Watrtn St U Col Law S Diag	36	0	0	0	0	0	0	0	36
Yeshiva Ohr Elchonon	61	0	0	0	0	0	0	0	61
Yuba College	1,395	0	0	0	0	0	0	0	1,395
Colorado, total	257,136	186,245	168,905	525	143	6,507	2,133	8,032	70,891
Adams State College	2,342	73	49	0	24	0	0	0	2,269
Arapahoe Community Col	1,139	0	0	0	0	0	0	0	1,139
Bal-Roa Inst Anml Tac	139	0	0	0	0	0	0	0	139
Beth-El College Nursing	88	0	0	0	0	0	0	0	88
Blair Junior College	1,152	0	0	0	0	0	0	0	1,152
Colorado Christian Univ	582	0	0	0	0	0	0	0	582
Colorado College	851	44	44	0	0	0	0	0	807
Colorado School of Mines	3,285	3,285	3,185	0	0	19	0	81	0
Colorado State University	54,633	47,211	40,820	207	0	1,146	636	4,402	7,422
Colorado Technical Col	452	0	0	0	0	0	0	0	452
Community Col Aurora	118	0	0	0	0	0	0	0	118
Community College Denver	2,450	224	0	0	0	0	0	224	2,226
Denver Inst of Technology	1,259	0	0	0	0	0	0	0	1,259
Denver Technical College	964	0	0	0	0	0	0	0	964
Fort Lewis College	1,582	113	50	0	42	21	0	0	1,469
Front Range Comm College	1,066	1	1	0	0	0	0	0	1,065
Iliff School of Theology	61	0	0	0	0	0	0	0	61
ITT Technical Institute	49	0	0	0	0	0	0	0	49
Lamar Community College	853	0	0	0	0	0	0	0	853
Mesa State College	2,936	0	0	0	0	0	0	0	2,936
Metropoltn St Coll Denver	8,341	158	158	0	0	0	0	0	8,183
Morgan County CC	182	0	0	0	0	0	0	0	182
Noropa Institute	321	0	0	0	0	0	0	0	321
National Tech University	130	130	90	0	0	0	0	40	0
Nazarene Bible College	400	0	0	0	0	0	0	0	400
Otero Junior College	625	0	0	0	0	0	0	0	625
Pikes Peak Community Col	2,835	0	0	0	0	0	0	0	2,835
Red Rocks Comm College	662	0	0	0	0	0	0	0	662
Regis College	1,853	23	4	0	19	0	0	0	1,830
St Thomas Seminary	18	0	0	0	0	0	0	0	18
Technical Trades Institut	922	0	0	0	0	0	0	0	922
Trinidad State Junior Col	1,885	0	0	0	0	0	0	0	1,885
Univ of Northern Colorado	5,808	1,626	874	0	0	0	0	752	4,182
Univ of Southern Colorado	5,100	731	305	0	35	0	391	0	4,369
University of Colorado	142,413	125,571	116,449	318	23	5,176	1,072	2,533	16,842
University of Denver	7,314	7,055	6,876	0	0	145	34	0	259
Western St Col Colorado	1,504	0	0	0	0	0	0	0	1,504
Yeshiva Y Chaim Tal Sem	22	0	0	0	0	0	0	0	22
Connecticut, total	244,813	211,620	189,462	1,297	199	13,714	1,966	4,982	33,193
Albertus Magnus College	256	0	0	0	0	0	0	0	256
Asnuntuck CC	146	0	0	0	0	0	0	0	146
Bais Binyomin Academy	43	0	0	0	0	0	0	0	43
Briarwood College	67	0	0	0	0	0	0	0	67
Central Conn State Univ	1,406	164	0	0	0	0	107	57	1,242
Connecticut College	1,067	215	162	0	0	53	0	0	852
Eastern Conn State Univ	958	0	0	0	0	0	0	0	958
Fairfield University	1,070	268	63	20	63	0	0	122	802
Greater Hartford Cmty Col	1,144	0	0	0	0	0	0	0	1,144
Greater New Haven St Tech	108	0	0	0	0	0	0	0	108
Hartford Col for Women	111	0	0	0	0	0	0	0	111
Holy Apostles College	42	0	0	0	0	0	0	0	42
Housatonic Cmty Col	380	0	0	0	0	0	0	0	380
Manchester Community Col	614	0	0	0	0	0	0	0	614
Mattatuck Community Col	688	0	0	0	0	0	0	0	688
Middlesex Cmty Col (Conn)	441	0	0	0	0	0	0	0	441
Mitchell College	268	0	0	0	0	0	0	0	268
Mohagan Community College	346	0	0	0	0	0	0	0	346
Northwstrn Conn Cmty Col	160	0	0	0	0	0	0	0	160
Norwalk Community College	406	0	0	0	0	0	0	0	406
Quinebaug Valley CC	528	0	0	0	0	0	0	0	528
Quinnipiac College	995	244	244	0	0	0	0	0	751
Sacred Heart University	1,123	213	213	0	0	0	0	0	910
South Central Cmty Col	489	0	0	0	0	0	0	0	489
Southern Conn State Univ	1,886	454	226	0	0	0	0	228	1,432
St Alphonsus College	25	0	0	0	0	0	0	0	25
St Basil's College	2	0	0	0	0	0	0	0	2
St Joseph College	315	42	15	0	0	0	0	27	273
Taiyko Post University	379	0	0	0	0	0	0	0	379
Trinity College	1,372	322	308	0	0	14	0	0	1,050
Tunxis Community College	215	0	0	0	0	0	0	0	215
University of Bridgeport	1,692	47	0	0	47	0	0	0	1,645
University of Connecticut	54,319	49,185	43,589	0	0	1,901	648	3,047	5,134

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Connecticut, cont'd									
University of Hartford	1,015	195	195	0	0	0	0	0	1,620
University of New Haven	1,054	140	70	0	64	14	0	0	906
Waterbury State Tech Col	123	25	0	0	25	0	0	0	98
Wesleyan University	4,133	2,018	1,048	0	0	63	107	0	2,115
Western Conn State Univ	583	46	46	0	0	0	0	0	537
Yale University	164,044	158,034	142,483	1,277	0	11,669	1,104	1,901	6,010
Delaware, total	31,393	21,401	17,922	0	76	569	647	2,187	9,992
Delaware State College	4,522	1,807	845	0	0	250	442	570	2,715
Delaware Tech & Cmty Col	3,364	144	0	0	76	0	68	0	3,220
Goldkey Beacom College	405	0	0	0	0	0	0	0	405
University of Delaware	22,405	19,450	17,377	0	0	319	137	1,617	2,955
Wesley College	468	0	0	0	0	0	0	0	468
Wilmington College	229	0	0	0	0	0	0	0	229
District of Columbia, total	326,093	92,498	78,658	700	79	2,585	5,055	5,421	233,595
American University	4,237	1,816	1,441	0	34	170	171	0	2,421
Catholic Univ of America	6,152	4,540	4,443	0	0	84	13	0	1,612
Corcoran School of Art	162	0	0	0	0	0	0	0	162
Gallaudet University	49,819	4,457	3,812	0	0	83	12	550	45,362
George Washington Univ	29,299	25,877	23,387	0	0	62	466	1,972	3,422
Georgetown University	43,508	32,158	28,740	700	0	792	633	1,293	11,350
Howard University	186,575	20,613	15,541	0	45	1,139	3,373	515	169,962
Mount Vernon College	124	0	0	0	0	0	0	0	124
Southeastern University	214	0	0	0	0	0	0	0	214
Strayer College	545	0	0	0	0	0	0	0	545
Trinity College	444	0	0	0	0	0	0	0	444
University of D C	4,997	3,037	1,294	0	0	265	387	1,091	1,960
Wesley Theol Sem	17	0	0	0	0	0	0	0	17
Florida, total	348,458	208,862	181,474	1,722	393	7,372	3,721	14,180	139,596
Art Inst of Ft Lauderdale	1,643	0	0	0	0	0	0	0	1,643
Barry University	1,336	227	0	0	0	0	0	0	1,109
Bethune Cookman College	5,817	685	8	0	28	94	558	0	8,132
Clearwater Christian Col	176	0	0	0	0	0	0	0	176
College of Boca Raton	156	0	0	0	0	0	0	0	156
Daytona Beach Cmty Col	2,605	0	0	0	0	0	0	0	2,605
Eckard College	900	120	120	0	0	0	0	0	780
Edison Community College	87	0	0	0	0	0	0	0	87
Edward Waters College	2,120	0	0	0	87	0	0	0	2,120
Embry-Riddle Aero Univ	4,312	548	548	0	0	0	0	0	3,764
Flagler College	386	0	0	0	0	0	0	0	386
Florida A & M University	18,068	8,406	4,542	0	0	1,574	951	1,339	9,662
Florida Atlantic Univ	5,815	4,054	2,374	0	0	66	9	1,605	1,761
Florida Bible College	66	0	0	0	0	0	0	0	66
Florida College	93	0	0	0	0	0	0	0	93
Florida Inst of Tech	1,129	1,129	1,097	0	25	0	7	0	3,645
Florida International U	5,461	1,816	1,215	0	0	69	314	218	4,298
Florida Memorial College	4,378	80	0	0	0	0	80	0	4,298
Florida Southern College	479	0	0	0	0	0	0	0	479
Florida State University	38,767	29,152	27,631	70	0	237	548	766	1,864
Fort Lauderdale Univ	1,864	0	0	0	0	0	0	0	2,013
Hillsborough Cmty College	2,013	0	0	0	0	0	0	0	1,113
Hobe Sound Bible College	113	0	0	0	0	0	0	0	308
International Fine Arts C	308	0	0	0	0	0	0	0	558
Its Career Inst Jksonvl	558	0	0	0	0	0	0	0	481
Its Career Inst-Miami	481	0	0	0	0	0	0	0	60
ITT Tech Institute	60	0	0	0	0	0	0	0	1,031
Jacksonville University	1,031	0	0	0	0	0	0	0	3,306
Jones College	3,306	0	0	0	0	0	0	0	817
Kaiser Coll of Technology	817	0	0	0	0	0	0	0	150
Liberty Bible College	150	0	0	0	0	0	0	0	172
Miami Christian College	172	0	0	0	0	0	0	0	15,279
Miami-Dade Cmty College	15,279	31	0	0	0	0	0	0	580
New Eng Inst Tec-Palm Bch	580	0	0	0	31	0	0	0	2,541
Nova University	2,541	1,211	1,177	0	0	0	0	0	577
Palm Beach Atlantic Coll	577	0	0	0	0	0	0	34	2,905
Pensacola Junior College	2,905	0	0	0	0	0	0	0	3,645
Phillips Junior College	3,645	0	0	0	0	0	0	0	374
Prospect Hall College	374	0	0	0	0	0	0	0	758
Rollins College	758	72	44	0	0	0	0	0	1,281
Seminole Community Col	1,281	8	0	0	8	0	28	0	1,141
Sestrn Col-Assemb of God	1,141	0	0	0	0	0	0	0	39
St John Wrenn Col Sem	39	0	0	0	0	0	0	0	922
St Leo College	922	0	0	0	0	0	0	0	1,489
St. Thom of Villanova U	1,489	0	0	0	0	0	0	0	1,862
State Univ Sys of Fla Off	1,862	1,862	1,862	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Florida, cont'd									
Stetson University	1,081	24	24	0	0	0	0	0	1,057
SE Univ Health Sciences	1,181	0	0	0	0	0	0	0	1,181
Talmudic Col of Florida	80	0	0	0	0	0	0	0	80
Tampa College	1,644	0	0	0	0	0	0	0	1,644
Tampa Technical Institute	125	0	0	0	0	0	0	0	125
Univ of Central Florida	13,754	7,199	6,672	0	32	342	0	153	6,555
Univ of South Florida	24,459	14,685	13,914	0	0	321	133	317	9,774
Univ of West Florida	3,096	961	531	0	182	50	123	75	2,135
University of Florida	84,222	69,207	56,063	1,652	0	2,610	498	8,384	15,015
University of Miami	79,896	67,130	63,707	0	0	1,782	472	1,169	12,766
University of North Fla	1,562	149	29	0	0	0	0	120	1,413
University of Sarasota	10	0	0	0	0	0	0	0	10
University of Tampa	780	19	19	0	0	0	0	0	761
Warner Southern College	357	0	0	0	0	0	0	0	357
Webber College	143	0	0	0	0	0	0	0	143
Georgia, total	294,322	200,025	175,024	1,598	195	5,386	3,851	13,971	94,297
Abraham Baldwin Agric Col	1,711	0	0	0	0	0	0	0	1,711
Agnes Scott College	291	28	28	0	0	0	0	0	263
Albany State College	4,269	467	39	0	0	129	299	0	3,802
American Coll for App Art	832	0	0	0	0	0	0	0	832
Andrew College	192	0	0	0	0	0	0	0	192
Armstrong State College	1,070	0	0	0	0	0	0	0	1,070
Art Institute of Atlanta	1,163	0	0	0	0	0	0	0	1,163
Atlanta Christian Col	87	0	0	0	0	0	0	0	87
Atlanta Metropolitan Coll	1	1	0	0	0	1	0	0	0
Augusta College	41	41	0	0	0	0	0	0	0
Bainbridge College	287	0	0	0	0	0	0	0	287
Bauder Finshng & Career C	341	0	0	0	0	0	0	0	341
Berry College	801	0	0	0	0	0	0	0	801
Brenau College	346	0	0	0	0	0	0	0	346
Brewton-Parker College	1,829	0	0	0	0	0	0	0	1,829
Clark Atlanta University	11,884	8,074	7,947	0	0	127	0	0	3,810
Clayton Junior College	378	0	0	0	0	0	0	0	378
Columbia College	1,345	0	0	0	0	0	0	0	1,345
Crandall Junior College	961	0	0	0	0	0	0	0	961
Dalton College	449	0	0	0	0	0	0	0	449
Emmanuel College	320	0	0	0	0	0	0	0	320
Emory University	59,191	51,169	49,581	0	0	1,270	318	0	8,022
Floyd College	566	0	0	0	0	0	0	0	566
Fort Valley State College	8,181	3,895	2,014	0	0	259	0	1,622	4,286
Gainesville College	501	0	0	0	0	0	0	0	501
Georgia College	1,470	0	0	0	0	0	0	0	1,470
Georgia Institute of Tech	57,961	56,303	54,271	0	58	1,034	377	563	1,658
Georgia Military College	676	0	0	0	0	0	0	0	676
Georgia Southern Univ	4,707	853	740	0	49	64	0	0	3,854
Georgia Southwestern Col	1,212	0	0	0	0	0	0	0	1,212
Georgia State University	11,059	6,562	5,877	0	72	38	93	482	4,497
Gordon College	437	0	0	0	0	0	0	0	437
Interdenomina Theol Ctr	75	0	0	0	0	0	0	0	75
Kennesaw College	1,006	141	77	0	0	0	64	0	865
La Grange College	403	0	0	0	0	0	0	0	403
Life College	395	0	0	0	0	0	0	0	395
Macon College	872	0	0	0	0	0	0	0	872
Massay Business College	1,459	0	0	0	0	0	0	0	1,459
Medical Col of Georgia	9,856	8,692	8,300	126	0	123	138	5	1,164
Mercer University	3,353	482	475	0	0	1	6	0	2,871
Middle Georgia College	514	0	0	0	0	0	0	0	514
Morehouse College	5,414	1,242	391	0	0	0	851	0	4,172
Morehouse School of Med	13,171	6,537	4,911	0	0	542	1,084	0	6,634
Morris Brown College	4,345	188	172	0	16	0	0	0	4,157
North Georgia College	584	14	0	0	0	14	0	0	570
Oglethorpe University	442	0	0	0	0	0	0	0	442
Paine College	2,269	0	0	0	0	0	0	0	2,269
Piedmont College	213	0	0	0	0	0	0	0	213
Reinhardt College	168	0	0	0	0	0	0	0	168
Savannah State College	3,618	196	86	0	0	91	0	19	3,422
Shorter College	362	0	0	0	0	0	0	0	362
South Georgia College	1,090	0	0	0	0	0	0	0	1,090
Spelman College	3,872	1,271	255	0	0	895	121	0	2,601
Thomas County Cmty Coll	391	0	0	0	0	0	0	0	391
Toccoa Falls College	651	0	0	0	0	0	0	0	651
Truett McConnell College	378	0	0	0	0	0	0	0	378
University of Georgia	59,219	53,817	39,767	1,472	0	798	500	11,280	5,402
Valdosta State College	52	52	52	0	0	0	0	0	0
Valdosta Technical Instit	3,202	0	0	0	0	0	0	0	3,202
Wesleyan College	303	0	0	0	0	0	0	0	303
West Georgia College	1,922	0	0	0	0	0	0	0	1,922
Young Harris College	164	0	0	0	0	0	0	0	164

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Hawaii, total	71,225	55,990	48,276	1,241	0	997	1,643	3,833	15,235
Chaminade U of Honolulu	700	0	0	0	0	0	0	0	700
Hawaii Loa College	281	0	0	0	0	0	0	0	281
Hawaii Pacific College	977	0	0	0	0	0	0	0	977
Honolulu Cmty College	552	0	0	0	0	0	0	0	552
Intl Coll of Grad Schl Th	10	0	0	0	0	0	0	0	10
Kapiolani Cmty College	758	0	0	0	0	0	0	0	758
Kauai Cmty College	548	0	0	0	0	0	0	0	548
Leeward Cmty College	428	0	0	0	0	0	0	0	428
Maul Community College	707	0	0	0	0	0	0	0	707
Univ of Hawaii - W. Oahu	57	0	0	0	0	0	0	0	57
Univ of Hawaii Sys Off	8,021	8,021	7,941	0	0	0	0	80	0
Univ of Hawaii-Manoa	54,567	46,434	40,049	1,241	0	956	435	3,753	8,133
Univ Hawaii at Hilo	3,619	1,535	286	0	0	41	1,208	0	2,084
Idaho, total	41,739	15,080	10,381	213	16	4	83	4,383	26,659
Boise Bible College	47	0	0	0	0	0	0	0	47
Boise State University	7,069	605	158	0	0	2	0	445	6,444
College of Idaho	443	0	0	0	0	0	0	0	443
College of Southern Idaho	2,026	16	0	0	16	0	0	0	2,010
Idaho State University	6,511	1,128	770	0	0	0	0	358	5,383
Lewis-Clark State College	1,944	139	0	0	0	2	0	137	1,805
North Idaho College	1	1	1	0	0	0	0	0	0
Northwest Nazarene Col	1,076	0	0	0	0	0	0	0	1,076
Ricks College	4,723	0	0	0	0	0	0	0	4,723
University of Idaho	17,899	13,191	9,452	213	0	0	83	3,443	4,708
Illinois, total	586,019	405,497	351,598	1,926	470	18,531	5,629	27,343	180,522
A Adler Inst of Chicago	16	0	0	0	0	0	0	0	16
Amer Acad of Art	212	0	0	0	0	0	0	0	212
Amer Conserv of Music	55	0	0	0	0	0	0	0	55
Augustana College	1,395	76	76	0	0	0	0	0	1,319
Aurora College	711	0	0	0	0	0	0	0	711
Barat College	370	0	0	0	0	0	0	0	370
Bethany Theol Sem	29	0	0	0	0	0	0	0	29
Blackburn College	401	0	0	0	0	0	0	0	401
Blessing College Nursing	25	0	0	0	0	0	0	0	25
Bradley University	2,712	98	45	0	53	0	0	0	2,614
Carl Sandburg College	581	0	0	0	0	0	0	0	581
Chicago Col of Osteo Med	1,030	298	153	100	0	45	0	0	732
Chicago Sch of Prof Psych	6	0	0	0	0	0	0	0	6
Chicago State University	5,609	1,134	101	0	29	14	990	0	4,475
City Colleges of Chicago	16,508	38	38	0	0	0	0	0	16,470
College of Du Page	1,186	58	0	0	0	0	58	0	1,128
College of St Francis	494	0	0	0	0	0	0	0	494
Columbia College	4,374	344	328	0	16	0	0	0	4,030
Concordia University	359	1	0	0	0	1	0	0	358
Danville Area Cmty Col	1,392	0	0	0	0	0	0	0	1,392
De Paul University	3,568	645	594	0	0	0	51	0	2,923
Devry Inst of Technology	1,997	0	0	0	0	0	0	0	1,997
East-West University	620	0	0	0	0	0	0	0	620
Eastern Illinois Univ	3,764	412	46	0	0	0	168	198	3,352
Eureka College	398	8	0	0	0	8	0	0	390
Felician College	5	0	0	0	0	0	0	0	5
Forest Inst of Prof Psych	46	31	0	0	0	31	0	0	15
Garrett-Evanglcl Theo Sem	55	0	0	0	0	0	0	0	55
Gem City College	54	0	0	0	0	0	0	0	54
Governors State Univ	1,021	0	0	0	0	0	0	0	1,021
Greenville College	745	0	0	0	0	0	0	0	745
Hebrew Theological Col	17	0	0	0	0	0	0	0	17
Highland Community Col	1,437	0	0	0	0	0	0	0	1,437
Ill E CC Lincoln Trail C	91	0	0	0	0	0	0	0	91
Illinois Benedictine Col	677	100	0	0	29	0	71	0	577
Illinois Central College	2,171	269	0	0	0	0	0	269	1,902
Illinois Col of Optometry	424	0	0	0	0	0	0	0	424
Illinois College	451	0	0	0	0	0	0	0	451
Illinois Inst of Tech	10,247	8,320	8,174	0	0	22	124	0	1,927
Illinois State University	9,587	2,078	1,770	0	0	69	0	239	7,509
Illinois Technical Col	256	0	0	0	0	0	0	0	256
Illinois Wesleyan Univ	516	0	0	0	0	0	0	0	516
John A Logan College	2,055	43	0	0	0	0	43	0	2,012
Judson College	448	0	0	0	0	0	0	0	448
Kankakee Community Col	826	0	0	0	0	0	0	0	826
Kaskaskia College	981	0	0	0	0	0	0	0	981
Kendall College	299	0	0	0	0	0	0	0	299
Knox College	1,036	354	271	0	83	0	0	0	682
Lake Forest College	1,123	99	99	0	0	0	0	0	1,024
Lewis and Clark Cmty Col	251	251	251	0	0	0	0	0	0

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Illinois, cont'd									
Lewis University	1,691	13	0	0	13	0	0	0	1,678
Lincoln Christian Col	285	0	0	0	0	0	0	0	285
Lincoln College	2,004	1,378	1,378	0	0	0	0	0	626
Loyola Univ - Chicago	13,684	8,010	7,513	0	0	209	282	6	5,673
MacCormac College	343	0	0	0	0	0	0	0	343
MacMurray College	1,495	0	0	0	0	0	0	0	1,495
Mallinckrodt College	72	0	0	0	0	0	0	0	72
McCormick Theol Sem	35	0	0	0	0	0	0	0	35
McHenry County College	344	0	0	0	0	0	0	0	344
McKendree College	733	0	0	0	0	0	0	0	733
Menonita Col of Nursing	61	0	0	0	0	0	0	0	61
Metropolitan Bus College	162	0	0	0	0	0	0	0	162
Millikin University	1,009	34	0	0	34	0	0	0	975
Monmouth College	687	0	0	0	0	0	0	0	687
Morrison Inst of Tech	146	0	0	0	0	0	0	0	146
Morton College	290	0	0	0	0	0	0	0	290
Mundelein College	563	0	0	0	0	0	0	0	563
Nass College	323	0	0	0	0	0	0	0	323
Niles College	103	0	0	0	0	0	0	0	103
North Central College	570	0	0	0	0	0	0	0	570
North Park Col Theol Sem	952	0	0	0	0	0	0	0	952
Northeastern Ill Univ	5,280	707	210	0	0	0	0	497	4,493
Northern Illinois Univ	11,646	5,290	4,350	129	0	130	19	862	6,356
Northwestern University	78,004	68,238	61,100	104	0	2,858	1,440	2,734	7,788
Oakton Community College	702	169	0	0	0	0	0	169	533
Olivet Nazarene College	924	0	0	0	0	0	0	0	924
Parkland College	3,011	124	124	0	0	0	0	0	2,887
Prairie State College	1,060	0	0	0	0	0	0	0	1,060
Quincy College	2,851	0	0	0	0	0	0	0	2,851
Ray College of Design	233	0	0	0	0	0	0	0	233
Richland Cmty Col	510	0	0	0	0	0	0	0	510
Robert Morris Col (Ill)	2,550	0	0	0	0	0	0	0	2,550
Rockford College	660	0	0	0	0	0	0	0	660
Roosevelt University	2,472	0	0	0	0	0	0	0	2,472
Rosary College	528	16	0	0	16	0	0	0	512
Rush University	2,190	1,394	1,219	0	0	77	98	0	796
S Illinois U Edwardsville	6,326	796	630	0	166	0	0	0	5,530
Sangamon State University	721	0	0	0	0	0	0	0	721
Shimer College	145	0	0	0	0	0	0	0	145
Southern Ill U-Carbondale	22,002	7,863	6,536	18	0	0	134	1,175	14,139
Spartus Coll of Judaica	51	0	0	0	0	0	0	0	51
Springfield Col in Ill	131	0	0	0	0	0	0	0	131
St Augustine Cmty Coll	2,643	0	0	0	0	0	0	0	2,643
St Francis Medical Cn	58	0	0	0	0	0	0	0	58
St Xavier College	1,478	0	0	0	0	0	0	0	1,478
State CC at East St Louis	1,290	0	0	0	0	0	0	0	1,290
Telsha Yeshiva - Chicago	112	0	0	0	0	0	0	0	112
Trinity Christian Col	236	0	0	0	0	0	0	0	236
Trinity College	696	0	0	0	0	0	0	0	696
Trinity Evangel Div Schl	23	0	0	0	0	0	0	0	23
U Hlth Sci/Chgo Med Sch	3,517	3,429	3,371	0	0	0	58	0	88
Univ of Ill Chicago	60,405	45,988	42,293	10	0	1,416	388	1,081	14,417
Univ of Ill Urbana	121,180	120,898	99,742	1,510	0	2,543	271	16,832	282
Univ of Illinois Sys Off	17,221	8,701	6,377	0	0	808	0	1,516	8,520
University of Chicago	121,378	116,636	104,074	55	0	10,300	1,434	773	4,742
Western Illinois Univ	6,065	1,127	735	0	0	0	0	392	4,938
Wheaton College	921	0	0	0	0	0	0	0	921
William Rainey Harper Col	514	31	0	0	31	0	0	0	483
Wm M Schell Coll Pod Med	182	0	0	0	0	0	0	0	182
Indiana, total	271,864	160,007	138,349	2,527	437	4,691	1,614	12,389	111,857
Indiana, total									
Ancilla Dominl College	257	0	0	0	0	0	0	0	257
Anderson College	1,615	0	0	0	0	0	0	0	1,615
Ball State University	7,637	379	346	0	32	1	0	0	7,258
Bethel College	322	0	0	0	0	0	0	0	322
Butler University	1,559	435	405	0	30	0	0	0	1,124
Calumet College	465	0	0	0	0	0	0	0	465
Christian Theol Sem	44	0	0	0	0	0	0	0	44
De Pauw University	744	35	35	0	0	0	0	0	709
Earlham College	790	20	0	0	20	0	0	0	770
Franklin Col of Indiana	580	10	0	0	10	0	0	0	570
George Rogers Clark Col	481	0	0	0	0	0	0	0	481
Goshen College	700	0	0	0	0	0	0	0	700
Grace College	634	0	0	0	0	0	0	0	634
Hanover College	245	0	0	0	0	0	0	0	245
Holy Cross College	105	0	0	0	0	0	0	0	105
Huntington College	306	0	0	0	0	0	0	0	306
Ind Voc Tech C-Evansville	1	0	0	0	0	0	0	0	1
Ind Voc Tech C-Fort Wayne	1	0	0	0	0	0	0	0	1

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activities	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Indiana, cont'd									
Ind Voc Tech C-Kokomo	1	0	0	0	0	0	0	0	1
Ind Voc Tech C-South Bend	2	0	0	0	0	0	0	0	2
Ind Voc Tech Col Lafayette	1	0	0	0	0	0	0	0	1
Ind Voc Tech College	9,434	0	0	0	0	0	0	0	9,434
Indiana State University	6,758	293	236	0	0	0	0	59	6,463
Indiana University	109,284	88,082	61,435	478	51	2,828	982	2,250	32,282
Indiana Wesleyan College	13	0	0	0	0	0	0	0	13
International Bus Col	407	0	0	0	0	0	0	0	407
Interstate Tech Institute	67	0	0	0	0	0	0	0	67
ITT Tech Inst-Indianapol	14,728	0	0	0	0	0	0	0	14,728
Manchester College	710	13	0	0	13	0	0	0	697
Marian College	609	0	0	0	0	0	0	0	609
Martin Center College	419	0	0	0	0	0	0	0	419
Oakland City College	1,001	0	0	0	0	0	0	0	1,001
Purdue University	90,518	76,761	63,167	1,589	0	1,459	545	9,991	13,757
Ross-Hulman Inst of Tech	381	381	296	0	125	0	0	0	0
St Francis College	463	0	0	0	0	0	0	0	463
St Joseph's College	523	0	0	0	0	0	0	0	523
St Mary-of-the-Woods Col	298	0	0	0	0	0	0	0	298
St Mary's College	451	43	4	0	0	0	39	0	408
St Meinrad College	130	0	0	0	0	0	0	0	130
St Meinrad Sch - Theology	61	0	0	0	0	0	0	0	61
Summit Christian College	420	0	0	0	0	0	0	0	420
Taylor University	798	0	0	0	0	0	0	0	798
Tri-State University	593	15	0	0	15	0	0	0	578
University of Evansville	1,577	42	10	0	32	0	0	0	1,535
University of Indianapolis	837	0	0	0	0	0	0	0	837
University of Notre Dame	17,112	13,314	12,302	462	0	403	58	89	3,798
Valparaiso University	1,765	262	153	0	109	0	0	0	1,503
Vincennes University	5,137	0	0	0	0	0	0	0	5,137
Iowa, total	199,314	130,525	108,735	5,965	335	4,711	1,339	11,440	68,789
Brier Cliff College	1,397	84	21	0	21	0	42	0	1,313
Buena Vista College	1,874	0	0	0	0	0	0	0	1,874
Central Univ of Iowa	1,859	53	0	0	53	0	0	0	1,806
Clarke College	544	0	0	0	0	0	0	0	544
Coe College	1,143	27	27	0	0	0	0	0	1,116
Cornell College	852	48	0	0	48	0	0	0	804
Divine Word College	146	0	0	0	0	0	0	0	146
Dordt College	831	61	61	0	0	0	0	0	770
Drake University	2,741	218	15	0	0	0	263	0	2,463
Emmaus Bible College	88	0	0	0	0	0	0	0	88
Faith Baptist Bible Col	200	0	0	0	0	0	0	0	200
Graceland College	1,297	0	0	0	0	0	0	0	1,297
Grand View College	2,293	0	0	0	0	0	0	0	2,293
Grinnell College	705	229	174	0	50	0	0	0	479
Indian Hills Cmty College	4,065	0	0	0	0	0	0	0	4,065
Iowa State University	58,104	45,647	28,915	5,310	0	628	122	10,672	12,457
Iowa Wesleyan College	548	0	0	0	0	0	0	0	548
Iowa Western Cmty College	1	0	0	0	0	0	0	0	1
Loras College	1,178	22	0	0	22	0	0	0	1,156
Luther College	2,062	81	49	0	32	0	0	0	1,981
Maharishi Int'l University	1,800	487	352	0	0	0	55	0	1,393
Morningside College	1,095	0	0	0	0	0	0	0	1,095
Mount Mercy College	875	0	0	0	0	0	0	0	875
Mount St. Clare College	215	0	0	0	0	0	0	0	215
N Iowa Area Cmty College	1,586	0	0	0	0	0	0	0	1,586
Northwest Iowa Tech Col	341	0	0	0	0	0	0	0	341
Northwestern College	947	0	0	0	0	0	0	0	947
Palmer Col of Chiropractic	658	0	0	0	0	0	0	0	658
Scott Cmty Col-E Iowa CC	87	87	0	0	0	87	0	0	0
Simpson College	859	0	0	0	0	0	0	0	859
Southwestern Cmty College	807	0	0	0	0	0	0	0	807
St. Ambrose College	1,183	99	0	0	19	0	0	80	1,084
Taiyo Marycrest Coll	783	0	0	0	0	0	0	0	783
Taiyo Westmar Univer	760	0	0	0	0	0	0	0	760
Univ of Northern Iowa	7,069	447	357	0	90	0	0	0	6,622
Univ of Osteopathic Med	588	252	0	0	0	252	0	0	336
University of Iowa	93,991	82,704	76,762	655	0	3,742	857	688	11,287
Upper Iowa University	929	0	0	0	0	0	0	0	929
Vennard College	166	0	0	0	0	0	0	0	166
Walder College	698	0	0	0	0	0	0	0	698
Wartburg College	975	0	0	0	0	0	0	0	975
Wartburg Theol Sem	38	0	0	0	0	0	0	0	38
Western Iowa Tech	2	2	0	0	0	0	0	0	0
William Penn College	934	0	0	0	0	0	0	0	934

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total: all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Kansas, total	104,321	59,667	44,005	2,974	91	1,393	728	10,376	44,754
Baker University	7,408	0	0	0	0	0	0	0	7,388
Barclay College	97	0	0	0	0	0	0	0	97
Benedictine College	695	17	0	0	17	0	0	0	678
Bethany College	698	0	0	0	0	0	0	0	698
Bethel College	649	56	23	0	10	0	23	0	593
Donnelly College	1,611	0	0	0	0	0	0	0	1,611
Emporia State University	3,005	0	0	0	0	0	0	0	3,005
Fort Hays St Univ	3,377	92	0	0	13	0	79	0	3,285
Friends University	725	0	0	0	0	0	0	0	725
Haskell Indian Jr College	237	0	0	0	0	0	0	0	237
Hewston College	583	0	0	0	0	0	0	0	583
Kans St U - Ag & App Sci	32,420	24,192	14,470	2,673	0	190	39	6,620	8,228
Kansas City Coll&Bible Sch	67	0	0	0	0	0	0	0	67
Kansas City Kansas Cmty C	1	1	1	0	0	0	0	0	0
Kansas Technical Inst	51	51	0	0	51	0	0	0	0
Kansas Wesleyan Univ	743	0	0	0	0	0	0	0	743
Manhattan Christian Col	182	0	0	0	0	0	0	0	182
Marymount Col of Kansas	3	0	0	0	0	0	0	0	3
McPherson College	389	0	0	0	0	0	0	0	389
Mid-America Nazarene Col	945	0	0	0	0	0	0	0	945
Ottawa University	1,343	0	0	0	0	0	0	0	1,343
Pittsburg State Univ	3,032	4	0	0	0	4	0	0	3,028
Southwestern College	713	25	25	0	0	10	0	0	688
St Mary of the Plains Col	893	10	0	0	0	0	0	0	883
St Mary College	679	13	13	0	0	0	0	0	666
Sterling College	705	10	10	0	0	0	0	0	695
Taber College	524	0	0	0	0	0	0	0	524
University of Kansas	41,198	32,713	27,212	101	0	1,187	517	3,696	8,485
Wichita State University	6,018	2,383	2,251	0	0	2	70	40	5,635
Kentucky, total	144,600	58,136	38,185	652	4,728	951	744	12,876	86,464
Alice Lloyd College	681	0	0	0	0	0	0	0	681
Asbury College	764	0	0	0	0	0	0	0	764
Asbury Theol Seminary	245	0	0	0	0	0	0	0	245
Bellarmine College	608	0	0	0	0	0	0	0	608
Berea College	3,099	67	67	0	0	0	0	0	3,032
Brescia College	639	62	0	0	0	0	62	0	577
Campbellsville College	1,010	0	0	0	0	0	0	0	1,010
Centre College	391	4	4	0	0	0	0	0	387
Cumberland College	2,041	0	0	0	0	0	0	0	2,041
Eastern Kentucky Univ	8,811	126	36	0	28	62	0	0	8,688
Georgetown College	769	0	0	0	0	0	0	0	769
Hazard Community College	269	0	0	0	0	0	0	0	269
Inst of Electronic Tech	344	0	0	0	0	0	0	0	344
Kentucky Christian Col	593	0	0	0	0	0	0	0	593
Kentucky Col of Business	1,466	0	0	0	0	0	0	0	1,466
Kentucky College of Tech	146	0	0	0	0	0	0	0	146
Kentucky State University	7,867	4,973	2,397	0	0	279	138	2,159	2,894
Kentucky Wesleyan College	584	0	0	0	0	0	0	0	584
Lees Junior College	482	0	0	0	0	0	0	0	482
Lindsay Wilson College	1,463	0	0	0	0	0	0	0	1,463
Louisville Pres Theol Sem	27	0	0	0	0	0	0	0	27
Mid-Cent Baptist Bible C	97	0	0	0	0	0	0	0	97
Midway College	417	0	0	0	0	0	0	0	417
Morehead State University	6,163	65	0	0	0	0	0	66	6,097
Murray State University	4,383	317	96	0	57	26	0	138	4,066
Northern Kentucky Univ	2,862	303	215	0	88	0	0	0	2,559
Pikeville College	1,570	0	0	0	0	0	0	0	1,570
RETS Electronic Institute	1,444	0	0	0	0	0	0	0	1,444
Spalding University	599	0	0	0	0	0	0	0	599
St Catherine College	196	0	0	0	0	0	0	0	196
Sue Bennett College	412	0	0	0	0	0	0	0	412
Thomas More College	608	0	0	0	0	0	0	0	608
Transylvania University	431	0	0	0	0	0	0	0	431
Union College	1,077	0	0	0	0	0	0	0	1,078
University of Kentucky	70,406	45,769	29,375	469	4,459	561	392	10,513	24,631
University of Louisville	14,709	6,137	5,779	183	0	23	152	0	6,572
Western Kentucky Univ	6,932	312	216	0	96	0	0	0	6,620
Louisiana, total	222,509	94,798	69,265	9,865	145	1,660	2,937	10,926	127,711
Delgado Community College	3,738	0	0	0	0	0	0	0	3,738
Dillard University	4,130	96	10	0	0	86	0	0	4,034
Grambling State Univ	12,646	941	857	0	0	111	220	53	11,705
Louisiana College	777	0	0	0	0	0	0	0	777
Louisiana State Univ	89,406	59,592	40,886	9,865	80	497	423	7,841	29,814
Louisiana Tech University	5,302	424	371	0	0	0	0	53	4,878
Loyola Univ - New Orleans	2,533	103	4	0	0	0	99	0	2,430

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering	
Louisiana, cont'd									
LA St Univ System Office	1,269	1,269	550	0	0	0	690	29	0
McNeese State University	4,771	247	193	0	0	14	0	40	4,524
Nicholls State University	3,027	0	0	0	0	0	0	0	3,027
Northeast Louisiana Univ	7,380	195	170	0	25	0	0	0	7,185
Northwest State Univer	5,902	36	36	0	0	0	0	0	5,866
Notre Dame Sem Grad Sc Th	21	0	0	0	0	0	0	0	21
Our Lady Holy Cross Col	915	0	0	0	0	0	0	0	915
Southeastern LA Univ	5,346	137	0	0	0	0	0	137	5,209
Southern Technical Coll	854	0	0	0	0	0	0	0	854
Southern U & A&M College	23,909	5,580	2,079	0	40	325	749	2,387	18,329
St Joseph Seminary	82	0	0	0	0	0	0	0	82
Tulane University	29,245	22,726	21,884	0	0	282	240	320	6,519
Univ of Southwestern LA	12,056	1,045	979	0	0	0	0	66	11,011
Xavier University of LA	9,200	2,407	1,546	0	0	345	516	0	6,793
Maine, total	43,585	14,524	10,197	0	435	234	77	3,581	29,061
Andover College	332	0	0	0	0	0	0	0	332
Bangor Theol Seminary	107	0	0	0	0	0	0	0	107
Bates College	1,283	448	176	0	122	0	0	150	835
Beal College	243	0	0	0	0	0	0	0	243
Bowdoin College	1,637	686	487	0	199	0	0	0	951
Casco Bay College	186	0	0	0	0	0	0	0	186
Colby College	1,254	247	212	0	35	0	0	0	1,007
College of the Atlantic	322	4	4	0	0	0	0	0	318
Musson College	1,313	0	0	0	0	0	0	0	1,313
Maine Maritime Academy	535	0	0	0	0	0	0	0	535
Nasson College	1	0	0	0	0	0	0	0	1
Portland School of Art	291	0	0	0	0	0	0	0	291
St Joseph's College	307	0	0	0	0	0	0	0	307
Thomas College	520	0	0	0	0	0	0	0	520
Unity College	612	0	0	0	0	0	0	0	612
Univ of Maine Augusta	2,072	104	104	0	0	0	0	0	1,968
Univ of Maine Orono	17,071	9,566	6,401	0	15	142	14	2,994	7,505
Univ of Maine System Off	2,475	2,475	2,475	0	0	0	0	0	0
Univ of Maine, Farmington	2,009	27	0	0	0	0	7	20	1,982
Univ of Maine, Fort Kent	656	0	0	0	0	0	0	0	656
Univ of Maine, Machias	795	0	0	0	0	0	0	0	795
Univ Maine, Presque Isle	2,130	0	0	0	0	0	0	0	2,130
University of New England	1,655	135	0	0	0	79	56	0	1,520
University of Stn Maine	5,454	832	338	0	64	13	0	417	4,622
Westbrook College	325	0	0	0	0	0	0	0	325
Maryland, total	805,554	745,455	589,856	943	112	16,591	2,285	135,668	60,099
Allegany Community Col	4	4	4	0	0	0	0	0	0
Anne Arundel Cmty College	897	32	0	0	0	0	32	0	865
Balt Intl Culinary Arts I	181	0	0	0	0	0	0	0	181
Bowie State University	2,662	224	155	0	0	69	0	0	2,438
Catonaville Cmty College	21	21	0	0	0	21	0	0	0
Cecil Community College	291	0	0	0	0	0	0	0	291
Charles County Cmty Col	9	9	9	0	0	0	0	0	0
Col of Notre Dame of MD	424	111	111	0	0	0	0	0	313
Columbia Union College	336	0	0	0	0	0	0	0	336
Coppin State College	4,881	340	25	0	0	0	258	57	4,541
Eastern Christian College	18	0	0	0	0	0	0	0	18
Essex Community College	112	28	28	0	0	0	0	0	84
Frostburg State Univ	1,683	45	5	0	0	0	40	0	1,638
Goucher College	577	0	0	0	0	0	0	0	577
Hagerstown Business Coll	179	0	0	0	0	0	0	0	179
Hood College	563	0	0	0	0	0	0	0	563
Johns Hopkins University	616,048	609,637	470,935	391	0	14,724	1,053	122,534	6,411
Loyola College	1,272	690	663	0	23	4	0	0	582
Maryland Inst Col of Art	711	0	0	0	0	0	0	0	711
Montgomery College	3,707	32	0	0	32	0	0	0	3,675
Morgan State University	6,439	1,352	1,041	0	0	311	0	0	5,087
Mount St Mary's Col (MD)	365	31	0	0	31	0	0	0	334
Ner Israel Rabbinical Col	151	0	0	0	0	0	0	0	151
New Community College	2,632	0	0	0	0	0	0	0	2,632
Peabody Inst-J Hopkins U	259	0	0	0	0	0	0	0	259
Prince Georges Cmty Col	1,853	122	122	0	0	0	0	0	1,731
Salisbury State College	1,328	0	0	0	0	0	0	0	1,328
Sojourner-Douglas College	424	0	0	0	0	0	0	0	424
St John's College (MD)	423	0	0	0	0	0	0	0	423
St Mary's College of MD	234	0	0	0	0	0	0	0	234
St Mary's Sem & Univ	30	0	0	0	0	0	0	0	30
Towson State University	3,356	655	655	0	0	0	0	0	2,701
U of MD Baltimore County	7,057	4,636	4,018	0	0	0	131	487	2,421
U of MD Center for Ees	121	121	121	0	0	0	0	0	0
U of MD Eastern Shore	6,178	3,440	1,886	0	0	275	0	1,279	2,738

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering	
Maryland, cont'd									
U of MD University Coll	2,664	52	20	0	0	0	32	0	2,612
Univ of Maryland Sys Off	4,252	4,162	4,162	0	0	0	0	0	90
Univ of MD Balt Prof Sch	47,448	42,798	41,100	168	0	613	278	639	4,650
Univ of MD College Park	83,268	76,607	64,723	384	0	572	401	10,527	6,660
University of Baltimore	980	53	0	0	0	0	53	0	927
Villa Julie College	364	2	0	0	0	2	0	0	362
Wash Bible College	138	0	0	0	0	0	0	0	138
Washington College	259	42	16	0	26	0	0	0	217
Western Maryland College	755	209	57	0	0	0	7	145	546
Massachusetts, total	827,049	701,823	635,891	16,091	315	34,530	5,724	9,272	125,226
American Internatl Col	803	0	0	0	0	0	0	0	803
Amherst College	1,701	970	960	0	0	0	10	0	731
Anna Maria College	241	0	0	0	0	0	0	0	241
Assumption College	968	417	0	0	0	0	0	417	551
Atlantic Union College	546	0	0	0	0	0	0	0	546
Babson College	554	0	0	0	0	0	0	0	554
Bay Path College	290	0	0	0	0	0	0	0	290
Becker Jr Col-System Off	566	0	0	0	0	0	0	0	566
Bentley College	1,976	343	190	0	0	0	153	0	1,633
Berkshire Community Col	625	0	0	0	0	0	0	0	625
Boston Architectural Ctr	44	0	0	0	0	0	0	0	44
Boston College	9,427	4,437	3,581	0	0	298	473	85	4,990
Boston Conserv of Music	173	0	0	0	0	0	0	0	173
Boston University	75,650	65,233	59,380	686	0	3,903	661	603	10,417
Bradford College	171	0	0	0	0	0	0	0	171
Brandeis University	21,173	19,491	17,642	0	0	1,095	749	5	1,682
Bridgewater State College	1,755	8	0	0	0	0	8	0	1,747
Bristol Community College	1,745	0	0	0	0	0	0	0	1,745
Bunker Hill Community Col	1,711	49	0	0	0	0	49	0	1,662
Cambridge College	14	0	0	0	0	0	0	0	14
Cape Cod Community Col	1,260	0	0	0	0	0	0	0	1,260
Clark University	2,906	1,456	1,456	0	0	0	0	0	1,450
Col of the Holy Cross	1,361	158	65	0	93	0	0	0	1,203
Col of Our Lady of Elms	381	0	0	0	0	0	0	0	381
Curry College	383	5	0	0	5	0	0	0	378
Dean Junior College	389	0	0	0	0	0	0	0	389
Eastern Nazarene College	460	0	0	0	0	0	0	0	460
Emerson College	1,291	335	186	0	0	0	0	149	956
Emmanuel College	411	0	0	0	0	0	0	0	411
Endicott College	361	0	0	0	0	0	0	0	361
Fisher Junior College	1,346	0	0	0	0	0	0	0	1,346
Fitchburg State College	1,130	0	0	0	0	0	0	0	1,130
Forsyth Sch Dent Hygnsts	44	0	0	0	0	0	0	0	44
Framingham State College	635	0	0	0	0	0	0	0	635
Franklin Inst of Boston	174	30	0	0	30	0	0	0	144
Gordon College	819	0	0	0	0	0	0	0	819
Gordon-Conwell Theol Sem	128	0	0	0	0	0	0	0	128
Greenfield Community Col	892	55	0	0	55	0	0	0	837
Hampshire College	946	214	188	0	26	0	0	0	732
Harvard University	175,225	166,225	148,055	229	0	16,754	619	568	9,104
Hellenic Col Holy Cross	127	108	108	0	0	0	0	0	19
Holyoke Community College	1,755	44	0	0	0	0	44	0	1,711
Lesell Junior College	212	0	0	0	0	0	0	0	212
Lesley College	979	347	347	0	0	0	0	0	632
Marian Court Junior Coll	66	0	0	0	0	0	0	0	66
Mass Bay Community Col	666	73	0	0	0	0	73	0	593
Mass Col Phar/Allied Hlth	568	0	0	0	0	0	0	0	568
Mass College of Art	459	0	0	0	0	0	0	0	459
Mass Inst of Technology	247,655	242,375	218,318	12,841	0	9,467	874	875	5,280
Mass State Col Sys Off	555	555	555	0	0	0	0	0	0
Massasoit Community Col	1,662	55	0	0	0	0	0	55	1,607
Merrimack College	758	28	28	0	0	0	0	0	730
Montserrat College of Art	132	0	0	0	0	0	0	0	132
Mount Holyoke College	2,305	1,115	958	0	49	0	69	39	1,190
Mount Ida Junior College	777	0	0	0	0	0	0	0	777
Mount Wachusett Cmty Col	1,544	197	0	0	0	0	0	197	1,347
N E Col of Optometry	255	0	0	0	0	0	0	0	255
New England School of Law	163	2	0	0	0	2	0	0	161
Newbury College	1,023	0	0	0	0	0	0	0	1,023
Nichols College	237	0	0	0	0	0	0	0	237
North Adams State College	894	0	0	0	0	0	0	0	894
North Shore Cmty College	1,626	0	0	0	0	0	0	0	1,626
Northeastern University	22,961	11,770	10,754	50	0	267	624	75	11,191
Pine Manor College	116	0	0	0	0	0	0	0	116
Quinsigamond Cmty College	758	0	0	0	0	0	0	0	758
Radcliffe College	1,921	499	499	0	0	0	0	0	1,422
Regis College	548	131	131	0	0	0	0	0	417
Roxbury Community College	1,631	0	0	0	0	0	0	0	1,631

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Massachusetts, cont'd									
Salem State College	2,486	26	25	0	0	1	0	0	2,460
Sch-Museum Fine Arts-Bost	356	0	0	0	0	0	0	0	356
Simmons College	2,129	494	414	0	0	0	0	80	1,635
Simon's Rock	99	99	99	0	0	0	0	0	0
Smith College	2,876	1,193	987	108	15	0	0	83	1,683
Southeastern Mass Univ	3,271	962	928	0	0	0	34	0	2,309
Springfield College	1,041	0	0	0	0	0	0	0	1,041
Springfield Tech Cmty Col	136	0	0	0	0	0	0	0	136
St John's Seminary	31	0	0	0	0	0	0	0	31
Stonhill College	636	0	0	0	0	0	0	0	636
Suffolk University	1,654	106	0	0	0	56	50	0	1,548
Swain Sch of Design	3	0	0	0	0	0	0	0	3
Tufts University	43,658	41,174	39,142	345	0	1,169	305	213	2,484
Univ of Mass System Off	418	328	328	0	0	0	0	0	90
University of Lowell	9,588	7,026	6,635	0	0	0	56	335	2,562
University of Massachuset	87,501	73,482	66,811	0	0	1,389	797	4,485	14,019
Wellesley College	3,881	1,653	1,607	0	6	21	7	12	1,228
Wentworth Inst of Tech	1,609	1,609	1,609	0	0	0	0	0	0
Western New England Col	1,120	109	95	0	0	0	14	0	1,011
Westfield State College	1,161	0	0	0	0	0	0	0	1,161
Wheaton College	627	32	32	0	0	0	0	0	595
Wheelock College	667	377	377	0	0	0	0	0	490
Williams College	1,723	747	711	0	36	0	0	0	976
Woods Hole Oceanogrphic Inst	53,690	53,690	50,751	1,832	0	50	61	996	0
Worcester Poly Institute	3,241	1,991	1,939	0	0	44	8	0	1,250
Worcester State College	1,115	0	0	0	0	0	0	0	1,115
Michigan, total	464,864	312,445	274,276	5,316	667	15,687	3,554	12,945	152,419
Adrian College	1,136	0	0	0	0	0	0	0	1,136
Albion College	889	206	166	0	12	0	0	28	683
Alma College	722	0	0	0	0	0	0	0	722
Andrews University	1,405	65	65	0	0	0	0	0	1,340
Aquinas College	1,314	0	0	0	0	0	0	0	1,314
Baker College of Flint	5,367	0	0	0	0	0	0	0	5,367
Calvin College	2,011	144	51	0	93	0	0	0	1,867
Calvin Theol Seminary	2	0	0	0	0	0	0	0	2
Central Michigan Univ	7,943	198	18	0	105	0	0	75	7,745
Charles Stewart Mott C C	3,753	0	0	0	0	0	0	0	3,753
Cleary College	585	0	0	0	0	0	0	0	585
Concordia College	548	0	0	0	0	0	0	0	548
Davenport College	5,119	0	0	0	0	0	0	0	5,119
Delta College	4,199	8	0	0	0	0	8	0	4,191
Detroit Col of Bus Admin	3,452	0	0	0	0	0	0	0	3,452
Eastern Michigan Univ	8,349	819	359	0	96	0	45	319	7,530
Ferris State College	6,643	0	0	0	0	0	0	0	6,643
Grace Bible College	77	0	0	0	0	0	0	0	77
Grand Rapids Bapt Col&Sem	527	0	0	0	0	0	0	0	527
Grand Valley State Univ	6,061	225	211	0	14	0	0	0	5,836
Great Lakes Bible College	100	0	0	0	0	0	0	0	100
Great Lakes JC of Busines	2,038	0	0	0	0	0	0	0	2,038
GMI Engr/Management Inst	226	226	182	0	44	0	0	0	0
Hillsdale College	1	0	0	0	0	0	0	0	1
Hope College	2,050	665	489	0	176	0	0	0	1,385
Jackson Community College	1,333	0	0	0	0	0	0	0	1,333
Jordan College	3,070	0	0	0	0	0	0	0	3,070
Kalamazoo College	1,221	15	0	0	15	0	0	0	1,206
Lansing Community College	5,308	0	0	0	0	0	0	0	5,308
Lawrence Technical Univ	68	68	68	0	0	0	0	0	0
Madonna College	1,553	48	0	0	0	0	48	0	1,505
Marygrove College	1,838	25	25	0	0	0	0	0	1,813
Mercy College of Detroit	1,272	0	0	0	0	0	0	0	1,272
Michigan Christian Col	283	0	0	0	0	0	0	0	283
Michigan State University	90,711	73,686	56,619	3,260	0	1,858	444	11,505	17,025
Michigan Tech University	7,730	4,684	4,603	0	0	43	38	0	3,046
Northern Michigan Univ	5,526	5	2	0	0	3	0	0	5,521
Northwood Institute	1,578	0	0	0	0	0	0	0	1,578
Oakland Community College	2,981	88	88	0	0	0	0	0	2,893
Oakland University	2,172	2,154	2,110	0	0	0	44	0	18
Olivet College	829	0	0	0	0	0	0	0	829
Reformed Bible College	110	0	0	0	0	0	0	0	110
Sacred Heart Seminary Col	10	0	0	0	0	0	0	0	10
Saginaw Valley State Col	5,617	3,055	2,800	0	50	0	0	205	2,562
Siena Heights College	1,020	0	0	0	0	0	0	0	1,020
Southwestern Michigan Col	1,243	0	0	0	0	0	0	0	1,243
Spring Arbor College	1,159	0	0	0	0	0	0	0	1,159
Suomi College	1,585	0	0	0	0	0	0	0	1,585
Thomas M Cooley Law Sch	298	76	0	0	0	0	76	0	222
University of Detroit	3,869	141	64	0	0	0	0	77	3,728
University of Michigan	210,453	194,032	176,620	2,056	25	12,939	1,730	662	16,421

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering								Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering		
Michigan, cont'd										
Walsh Col Acct&Bus Admin	223	0	0	0	0	0	0	0	223	
Wayne County Cmty College	5,556	35	0	0	0	0	35	0	5,521	
Wayne State University	31,162	29,612	27,689	0	0	837	1,086	0	1,550	
Western Michigan Univ	10,544	2,165	2,047	0	37	7	0	74	8,379	
Yeshiva Gedolah of G Det	25	0	0	0	0	0	0	0	25	
Minnesota, total	264,550	163,315	141,748	790	874	7,112	2,445	10,346	101,235	
Anoka-Ramsey Cmty College	1,736	0	0	0	0	0	0	0	1,736	
Arrowhead CC-Hibbing Cam	3,108	322	0	0	0	0	69	253	2,786	
Augsburg College	2,094	213	119	0	13	0	81	0	1,881	
Austin Cmty Col (Minn)	497	0	0	0	0	0	0	0	497	
Bemidji State University	4,906	6	0	0	0	6	0	0	4,900	
Bethany Lutheran College	223	0	0	0	0	0	0	0	223	
Bethel College & Seminary	1,334	120	120	0	0	0	0	0	1,214	
Brainerd Community Col	928	0	0	0	0	0	0	0	928	
Brown Institute	222	0	0	0	0	0	0	0	222	
Carleton College	1,373	275	222	0	53	0	0	0	1,098	
College of St Benedict	1,592	0	0	0	0	0	0	0	1,592	
College of St Catherine	1,827	125	0	0	125	0	0	0	1,702	
College of St Scholastica	25	9	0	0	0	9	0	0	16	
College of St Teresa	7	0	0	0	0	0	0	0	7	
College Associated Arts	84	0	0	0	0	0	0	0	84	
Concordia Col Moorhead	1,941	0	0	0	0	0	0	0	1,941	
Concordia Col St Paul	860	0	0	0	0	0	0	0	860	
Dr Martin Luther College	255	0	0	0	0	0	0	0	255	
Fergus Falls Cmty College	701	0	0	0	0	0	0	0	701	
Gustavus Adolphus College	1,711	441	397	0	44	0	0	0	1,270	
Hamline University	1,826	190	0	0	29	0	161	0	1,636	
Inver Hills Cmty College	1,135	0	0	0	0	0	0	0	1,135	
Itasca Community College	1,205	0	0	0	0	0	0	0	1,205	
Lakewood Community Col	1,572	0	0	0	0	0	0	0	1,572	
Luther Northwest Theo Sem	136	0	0	0	0	0	0	0	136	
Macalester College	1,317	346	270	0	76	0	0	0	971	
Mankato State University	7,704	265	105	0	88	72	0	0	7,439	
Medical Institute of Minn	691	0	0	0	0	0	0	0	691	
Mesabi Community College	784	0	0	0	0	0	0	0	784	
Metro State Univ	571	0	0	0	0	0	0	0	571	
Minn Cmty Col System Off	329	329	329	0	0	0	0	0	0	
Minneapolis Community Col	3,156	0	0	0	0	0	0	0	3,156	
Minnesota Bible College	71	0	0	0	0	0	0	0	71	
Moorhead State University	6,085	640	601	0	36	3	0	0	5,445	
Normandale Community Col	1,788	39	0	0	0	0	39	0	1,749	
North Central Bible Col	784	0	0	0	0	0	0	0	784	
North Hennepin Cmty Col	1,527	0	0	0	0	0	0	0	1,527	
Northland Cmty College	529	0	0	0	0	0	0	0	529	
Northwest Technical Inst	27	0	0	0	0	0	0	0	27	
Northwestern Col (Minn)	311	0	0	0	0	0	0	0	311	
Pillsbury Bptst Bible C	236	0	0	0	0	0	0	0	236	
Rainy River Community Col	343	0	0	0	0	0	0	0	343	
Rochester Community Col	1,889	0	0	0	0	0	0	0	1,889	
Southwest State Univ	2,077	0	0	0	0	0	0	0	2,077	
St Cloud Business College	268	0	0	0	0	0	0	0	268	
St Cloud State University	7,482	175	0	0	42	0	0	133	7,307	
St John's University	1,317	119	0	0	62	0	57	0	1,198	
St Mary's College	914	26	0	0	8	0	0	18	888	
St Olaf College	2,539	804	548	0	157	0	99	0	1,735	
St U Sys of Minn-Sys Off	1,451	1,451	1,437	0	0	14	0	0	0	
Univ of Saint Thomas	1,983	213	105	0	100	8	0	0	1,770	
University of Minnesota	181,694	157,207	137,495	790	41	7,000	1,939	9,942	24,487	
Vermilion Community Col	430	0	0	0	0	0	0	0	430	
Willmar Community College	1,111	0	0	0	0	0	0	0	1,111	
Winona State University	3,036	0	0	0	0	0	0	0	3,036	
Wm Mitchell Col of Law	356	0	0	0	0	0	0	0	356	
Worthington Community Col	452	0	0	0	0	0	0	0	452	
Mississippi, total	144,588	62,393	36,277	8,269	95	2,223	2,264	13,265	82,195	
Alcorn State University	9,847	3,364	1,463	0	0	151	153	1,597	6,483	
Belhaven College	422	0	0	0	0	0	0	0	422	
Blue Mountain College	353	0	0	0	0	0	0	0	353	
Clarke College	169	0	0	0	0	0	0	0	169	
Coahoma Community College	3,796	120	0	0	0	30	0	90	3,676	
Copiah-Lincoln Jr Col	1,608	0	0	0	0	0	0	0	1,608	
Delta State University	2,348	35	0	0	35	0	0	0	2,313	
Hinds Junior College	4,077	33	0	0	0	0	33	0	4,037	
Jackson State University	17,577	4,943	3,136	0	0	485	1,071	251	12,594	
Magnolia Bible College	43	0	0	0	0	0	0	0	43	
Mary Holmes College	2,335	0	0	0	0	0	0	0	2,335	
Meridian Junior College	42	42	0	0	42	0	0	0	0	

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Mississippi, cont'd									
Hillsaps College	670	27	0	0	0	0	27	0	643
Miss Gif Cst JC Parkinstn	87	0	0	0	0	0	0	0	87
Miss University for Women	1,520	37	0	0	0	0	0	37	1,483
Miss Valley State Univ	6,156	618	10	0	0	608	0	0	5,538
Miss-Ala Sea Grant Cnstrtm	1,640	1,640	1,533	0	0	0	0	107	0
Mississippi College	1,589	38	38	0	0	0	0	0	1,551
Mississippi State Univ	34,267	26,920	17,128	0	0	99	7	9,686	7,347
Phillips Col of Jackson	1,053	0	0	0	0	0	0	0	1,053
Phillips College	1,461	0	0	0	0	0	0	0	1,461
Prentiss Norm & Ind Inst	41	0	0	0	0	0	0	0	41
Rust College	3,600	414	12	0	0	0	402	0	3,186
San Joaquin Col of Law	63	38	0	0	0	0	0	38	25
Southeastern Baptist Col	43	0	0	0	0	0	0	0	43
Tougaloo College	3,721	509	0	0	0	260	249	0	3,212
Univ of Strhn Mississippi	14,704	5,393	1,436	2,586	18	309	0	1,044	9,311
University of Mississippi	29,349	18,222	11,521	5,683	0	281	322	415	11,127
Wesley College	74	0	0	0	0	0	0	0	74
William Carey College	1,614	0	0	0	0	0	0	0	1,614
Wood Junior College	366	0	0	0	0	0	0	0	366
Missouri, total	288,256	197,687	169,883	0	134	12,211	1,649	13,810	90,569
Assemblies of God Grad Sc	45	0	0	0	0	0	0	0	45
Avila College	688	10	10	0	0	0	0	0	678
Baptist Bible College	761	0	0	0	0	0	0	0	761
Calvary Bible Col	134	0	0	0	0	0	0	0	134
Central Bible College	963	0	0	0	0	0	0	0	963
Central Methodist College	691	0	0	0	0	0	0	0	691
Central Missouri St Univ	5,274	61	61	0	0	0	0	0	5,213
Cleveland Chiro College	110	0	0	0	0	0	0	0	110
Cntrl Christian Col Bible	52	0	0	0	0	0	0	0	52
College of The Ozarks	1,742	0	0	0	0	0	0	0	1,742
Columbia College (MO)	1,822	0	0	0	0	0	0	0	1,822
Conception Sem College	74	0	0	0	0	0	0	0	74
Concordia Seminary	82	0	0	0	0	0	0	0	82
Cottey College	145	0	0	0	0	0	0	0	145
Culver-Stockton College	639	0	0	0	0	0	0	0	639
Drury College	15	15	15	0	0	0	0	0	0
Eden Theological Seminary	7	0	0	0	0	0	0	0	7
Evangel College	1,264	0	0	0	0	0	0	0	1,264
Fontbonne College	481	0	0	0	0	0	0	0	481
ITT Tech Inst-St Louis	199	0	0	0	0	0	0	0	199
Jefferson College	6	0	0	0	0	0	0	0	6
Kansas City Art Inst	526	0	0	0	0	0	0	0	526
Kemper Military Sch & Col	211	0	0	0	0	0	0	0	211
Kirksvilla Col Osteo Med	1,231	216	211	0	0	0	5	0	1,015
Lincoln University (MO)	6,758	4,281	1,902	0	0	280	213	1,886	2,477
Longview Community Col	1,786	0	0	0	0	0	0	0	1,786
Maple Woods Community Col	988	0	0	0	0	0	0	0	988
Maryville College	503	0	0	0	0	0	0	0	503
Missouri Baptist College	402	0	0	0	0	0	0	0	402
Missouri Southern St Col	3,312	0	0	0	0	0	0	0	3,312
Missouri Valley College	1,245	0	0	0	0	0	0	0	1,245
Missouri Western St Col	2,791	0	0	0	0	0	0	0	2,791
Northeast Missouri St U	2,151	86	0	0	0	0	86	0	2,065
Northwest Missouri St U	2,850	0	0	0	0	0	0	0	2,850
Ozark Bible College	417	0	0	0	0	0	0	0	417
Park College	2,578	0	0	0	0	0	0	0	2,578
Penn Valley Community C	2,497	0	0	0	0	0	0	0	2,497
Phillips Jr C-Springfield	405	0	0	0	0	0	0	0	405
Research Col of Nursing	70	0	0	0	0	0	0	0	70
Rockhurst College	848	0	0	0	0	0	0	0	848
Southeast Missouri St U	4,848	646	646	0	0	0	0	0	4,202
Southwest Baptist College	2,330	0	0	0	0	0	0	0	2,330
Southwest Missouri St U	9,199	807	338	0	134	64	0	271	8,392
St Louis Christian Coll	81	0	0	0	0	0	0	0	81
St Louis Col of Pharmacy	473	31	0	0	0	0	0	31	442
St Louis Community Col	6,482	72	25	0	0	0	47	0	6,410
St Louis University	16,238	13,996	13,183	0	0	237	449	127	2,242
St Louis Rabbinical C	10	0	0	0	0	0	0	0	10
Stephens College	204	0	0	0	0	0	0	0	204
Tarkio College	646	0	0	0	0	0	0	0	646
The Lindenwood Colleges	737	0	0	0	0	0	0	0	737
Univ of Health Sciences	105	0	0	0	0	0	0	0	105
Univ of Missouri Columbia	45,855	37,393	25,258	0	0	1,212	341	10,582	8,462
Univ of Missouri Kan City	7,303	4,014	3,600	0	0	34	46	334	3,289
Univ of Missouri Rolla	5,273	3,836	3,811	0	0	0	0	25	1,437
Univ of Missouri St Louis	4,157	1,647	1,647	0	0	0	0	0	2,510
Univ of Missouri Sys Off	1,826	1,534	1,258	0	0	80	0	196	292
Washington University	134,042	129,031	117,907	0	0	10,304	462	358	5,011

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Missouri, cont'd									
Wentworth Military Acad	165	0	0	0	0	0	0	0	165
Westminster College	236	0	0	0	0	0	0	0	236
William Jewell College	888	0	0	0	0	0	0	0	888
William Woods College	395	11	11	0	0	0	0	0	384
Montana, total	44,755	19,224	13,041	316	61	269	708	4,749	25,531
Blackfeet Community Col	1,429	68	0	0	0	0	0	68	1,361
Carroll College	908	0	0	0	0	0	0	0	908
College of Great Falls	921	0	0	0	0	0	0	0	921
Dull Knife Memorial Col	636	0	0	0	0	0	0	0	636
Eastern Montana College	3,419	437	91	0	0	5	0	341	2,982
Fort Belknap College	259	0	0	0	0	0	0	0	259
Fort Peck Cmty College	899	35	0	0	0	0	35	0	864
Little Big Horn College	969	148	0	0	0	0	0	148	821
Miles Community College	878	2	0	0	0	2	0	0	876
Mont Col Minn Sci & Tech	890	889	829	25	35	0	0	0	1
Montana State University	21,125	13,526	9,356	240	0	150	599	3,181	7,599
Montana U Sys-System Off	230	0	0	0	0	0	0	0	230
Northern Montana College	1,541	12	0	0	0	12	0	0	1,529
Rocky Mountain College	816	0	0	0	0	0	0	0	816
Salish Kootenai Cmty Col	3,834	142	0	0	36	5	0	101	3,692
Stone Child College	910	86	0	0	0	0	0	86	824
University of Montana	4,178	3,879	2,765	76	0	60	154	824	299
Western Montana College	913	0	0	0	0	0	0	0	913
Nebraska, total	78,377	41,717	29,379	2,873	66	616	1,018	7,765	36,660
Bellvue College	693	0	0	0	0	0	0	0	693
Bishop Clarkson Mem Hsp C	175	0	0	0	0	0	0	0	175
Chadron State College	2,190	323	299	0	24	0	0	0	1,867
College of St Mary	690	0	0	0	0	0	0	0	690
Concordia Teachers Col	711	0	0	0	0	0	0	0	711
Craigton University	7,073	2,769	2,689	0	0	29	51	0	4,304
Dana College	428	0	0	0	0	0	0	0	428
Doane College	772	19	0	0	19	0	0	0	753
Grace Col of the Bible	153	0	0	0	0	0	0	0	153
Hastings College	637	0	0	0	0	0	0	0	637
Kearney State College	5,070	0	0	0	0	0	0	0	5,070
Metropolitan Comm Col	2	0	0	0	0	0	0	0	2
Mid Plains Cmty Col Area	1	1	1	0	0	0	0	0	0
Midland Lutheran College	858	8	0	0	0	8	0	0	850
Nebraska Christian Col	131	0	0	0	0	0	0	0	131
Nebraska Indian Cmty Col	341	0	0	0	0	0	0	0	341
Nebraska Wesleyan Univ	828	56	44	0	12	0	0	0	772
Northeast Tech Cmty Col	11	0	0	0	11	0	0	0	0
Peru State College	1,249	0	0	0	0	0	0	0	1,249
Southeast Neb Tech CC S O	9	0	0	0	0	0	0	0	9
U of Neb Med Ctr at Omaha	12,785	10,771	9,855	0	0	99	423	394	2,014
U Neb Ctrl Admin Sys Off	233	143	143	0	0	0	0	0	90
Union College (Neb)	556	0	0	0	0	0	0	0	556
Univ of Nebraska at Omaha	4,913	547	401	0	0	12	0	134	4,366
Univ of Nebraska-Lincoln	35,709	27,069	15,947	2,873	0	468	544	7,237	8,640
Wayne State College	1,783	0	0	0	0	0	0	0	1,783
York College	376	0	0	0	0	0	0	0	376
Nevada, total	35,768	24,782	23,111	77	12	133	160	1,289	10,986
Clerk County Cmty College	820	0	0	0	0	0	0	0	820
Desert Research Institute	5,060	5,060	4,983	77	0	0	0	0	0
Northern Nevada Cmty Col	200	0	0	0	0	0	0	0	200
Sierra Nevada College	136	0	0	0	0	0	0	0	136
Truckee Meadows Cmty Col	2,980	0	0	0	0	0	0	0	2,980
U of Nev Sys Adm Sys Off	1,674	1,674	1,674	0	0	0	0	0	0
Univ of Nevada - Reno	14,455	11,346	9,784	0	0	113	160	1,289	3,109
Univ of Nevada Las Vegas	10,002	6,690	6,670	0	0	20	0	0	3,312
Western Nevada Cmty Col	441	12	0	0	12	0	0	0	429
New Hampshire, total	70,324	56,562	52,386	0	43	1,378	452	2,303	13,762
Castle Junior College	44	0	0	0	0	0	0	0	44
Colby-Sawyer College	236	0	0	0	0	0	0	0	236
Dartmouth College	36,294	32,994	31,409	0	0	1,125	202	258	3,300
Franklin Pierce College	676	0	0	0	0	0	0	0	676
Hesser College	673	0	0	0	0	0	0	0	673
Keene State College	1,791	180	91	0	43	4	0	42	1,611
McIntosh College	208	0	0	0	0	0	0	0	208
Nathaniel Hawthorne Col	8	0	0	0	0	0	0	0	8
New England College	1,034	0	0	0	0	0	0	0	1,034
New Hampshire College	891	16	0	0	0	16	0	0	875

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering								Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering		
New Hampshire, cont'd										
Notre Dame College (NH)	179	0	0	0	0	0	0	0	0	179
NH Tech Col-Claremont	158	0	0	0	0	0	0	0	0	158
NH Tech Col-Laconia	129	0	0	0	0	0	0	0	0	129
NH Tech Col-Stratham	138	0	0	0	0	0	0	0	0	138
Plymouth St Col-Univ N H	1,464	2	0	0	0	2	0	0	0	1,462
Rivier College	284	0	0	0	0	0	0	0	0	284
St Anselm College	900	47	0	0	0	0	47	0	0	853
Univ of New Hampshire	24,694	22,838	20,401	0	0	231	203	2,003	1,856	
Univ Sys of N Hamp Sys Of	485	485	485	0	0	0	0	0	0	0
White Pines College	38	0	0	0	0	0	0	0	0	38
New Jersey, total	230,188	154,522	139,264	396	193	6,121	1,449	7,099	75,666	
Berkeley School, The	250	0	0	0	0	0	0	0	0	250
Bloomfield College	1,313	0	0	0	0	0	0	0	0	1,313
Brookdale Community Col	895	0	0	0	0	0	0	0	0	895
Burlington County College	761	0	0	0	0	0	0	0	0	761
Caldwell College	271	0	0	0	0	0	0	0	0	271
Camden County College	1,575	92	0	0	92	0	0	0	0	1,483
Centenary College	290	0	0	0	0	0	0	0	0	290
College of St Elizabeth	262	0	0	0	0	0	0	0	0	262
County College of Morris	725	0	0	0	0	0	0	0	0	725
Cumberland County College	925	0	0	0	0	0	0	0	0	925
Draw University	729	24	24	0	0	0	0	0	0	705
Fairleigh Dickinson Univ	3,647	748	650	0	0	48	0	50	2,899	
Felician College (NJ)	208	0	0	0	0	0	0	0	0	208
Georgian Court College	630	0	0	0	0	0	0	0	0	630
Glassboro State College	2,870	0	0	0	0	0	0	0	0	2,870
Gloucester County College	733	0	0	0	0	0	0	0	0	733
Jersey City State College	2,441	0	0	0	0	0	0	0	0	2,441
Katharine Gibbs Sch (NJ)	340	0	0	0	0	0	0	0	0	340
Kean Col of New Jersey	2,400	234	0	0	0	0	0	234	2,166	
Mercer County Cmty Col	1,786	0	0	0	0	0	0	0	0	1,786
Monmouth College (NJ)	1,140	58	58	0	0	0	0	0	0	1,082
Montclair State College	3,338	95	0	0	95	0	0	0	0	3,243
N J Inst of Technology	5,734	3,542	3,447	0	0	16	0	79	2,192	
Northeastern Bible Col	35	0	0	0	0	0	0	0	0	35
Passaic County Cmty Col	1,847	42	0	0	0	0	42	0	0	1,805
Princeton Theol Sem	105	0	0	0	0	0	0	0	0	105
Princeton University	58,764	55,366	50,474	310	0	4,091	252	239	3,398	
Rabbinical C of America	242	0	0	0	0	0	0	0	0	242
Rider College	4,570	147	147	0	0	0	0	0	0	4,423
Rutgers the St Univ of NJ	68,568	52,533	44,642	86	0	1,368	667	5,770	16,035	
Salem Community College	314	0	0	0	0	0	0	0	0	314
Seton Hall University	4,137	459	153	0	6	75	0	225	3,678	
St Peter's College	1,492	0	0	0	0	0	0	0	0	1,492
Stevens Institute of Tech	3,673	1,902	1,578	0	0	14	0	310	1,771	
Stockton State College	1,444	0	0	0	0	0	0	0	0	1,444
Talmudical Inst Ctrl Jars	44	0	0	0	0	0	0	0	0	44
Thomas A Edison College	15	0	0	0	0	0	0	0	0	15
Trenton State College	1,703	72	0	0	0	0	0	72	1,631	
Union County College	2,017	0	0	0	0	0	0	0	0	2,017
Univ of Med & Dent of N J	45,383	39,183	38,066	0	0	509	488	120	6,200	
Upsala College	1,017	0	0	0	0	0	0	0	0	1,017
William Paterson College	1,555	25	25	0	0	0	0	0	0	1,530
New Mexico, total	112,413	76,436	69,397	0	126	1,679	1,916	3,318	35,977	
College of Santa Fe	1,624	282	0	0	0	0	89	193	1,342	
Eastern New Mexico Univ	9,763	196	0	0	9	0	0	187	9,567	
N Mex Inst Mining & Tech	5,368	4,609	4,574	0	0	14	0	21	759	
New Mexico Highlands Univ	3,947	678	97	0	117	9	455	0	3,269	
New Mexico Junior College	730	0	0	0	0	0	0	0	730	
New Mexico Military Inst	158	0	0	0	0	0	0	0	158	
New Mexico State Univ	61,934	49,161	45,177	0	0	634	481	2,869	12,773	
Northrn N Mex Cmty Col	1,706	0	0	0	0	0	0	0	1,706	
San Juan College	970	27	26	0	0	1	0	0	943	
University of New Mexico	24,591	21,483	19,523	0	0	1,021	891	48	3,108	
Western New Mexico Univ	1,622	0	0	0	0	0	0	0	1,622	
New York, total	1,277,984	962,700	851,970	9,444	1,700	39,266	12,694	47,626	315,284	
Adelphi University	1,833	358	218	0	20	0	0	120	1,475	
Albany Col of Pharmacy	383	0	0	0	0	0	0	0	383	
Albany Medical College	7,772	6,891	6,056	0	0	605	230	0	881	
Alfred University	1,441	306	306	0	0	0	0	0	1,135	
Assoc Beth Rivkah Schools	335	0	0	0	0	0	0	0	335	
Bais Fruma	3,450	0	0	0	0	0	0	0	3,450	
Bais Medrash L'Torah	23	0	0	0	0	0	0	0	23	
Bank Street Col of Ed	1,768	1,731	800	0	0	0	374	557	37	

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
New York, cont'd									
Bard College	635	0	0	0	0	0	0	0	635
Barnard College	1,461	549	511	0	0	28	10	0	912
Belzer Yesh-Machzikei Sem	1,422	0	0	0	0	0	0	0	1,422
Berkeley Sch-Hicksville	80	0	0	0	0	0	0	0	80
Berkeley School - N York	669	0	0	0	0	0	0	0	669
Beth Hatalmud Col	179	0	0	0	0	0	0	0	179
Beth Israel Sch Nursing	114	0	0	0	0	0	0	0	114
Beth Jacob Hebr Tchrs Col	3,264	0	0	0	0	0	0	0	3,264
Beth Medrash Emek Halach	29	0	0	0	0	0	0	0	29
Beth Medrash Eynon Hatal	1,915	0	0	0	0	0	0	0	1,915
Bnos Jerusalem Seminary	1,703	0	0	0	0	0	0	0	1,703
Boricua College	2,484	0	0	0	0	0	0	0	2,484
Bramson Ort Tech Inst	1,355	0	0	0	0	0	0	0	1,355
Brooklyn Law School	191	100	0	0	0	0	100	0	91
Bryant & Stratton-Albany	283	0	0	0	0	0	0	0	283
Bryant & Stratton-Buffalo	4,384	0	0	0	0	0	0	0	4,384
Bryant & Stratton-Roch	853	0	0	0	0	0	0	0	853
Bryant & Stratton-Syracus	797	0	0	0	0	0	0	0	797
Canisius College	3,409	610	270	0	34	0	0	306	2,799
Catholic Medical Center	1,162	1,113	1,113	0	0	0	0	0	49
Cayuga County Cmty Col	1,039	0	0	0	0	0	0	0	1,039
Cazenovia College	870	0	0	0	0	0	0	0	870
Clarkson University	6,359	4,699	4,544	0	0	84	71	0	1,660
Col of Insurance	53	0	0	0	0	0	0	0	53
Col of Mount St Vincent	586	0	0	0	0	0	0	0	586
Colgate University	1,237	338	247	0	91	0	0	0	899
College for Human Service	1,050	0	0	0	0	0	0	0	1,050
College of New Rochelle	5,298	814	798	0	16	0	0	0	4,484
College of St Rose	849	0	0	0	0	0	0	0	849
Columbia U Teachers Col	2,958	2,544	800	0	0	149	160	1,435	414
Columbia Univ Main Div	181,551	167,167	153,171	3,385	0	8,472	862	1,277	14,384
Columbia Univ Sys Off	903	903	903	0	0	0	0	0	0
Concordia College (NY)	206	0	0	0	0	0	0	0	206
Cooper Union	80	80	12	0	68	0	0	0	0
Cornell University	196,461	185,353	144,749	2,009	45	8,143	782	29,625	11,108
Culinary Inst of America	1,262	0	0	0	0	0	0	0	1,262
CUNY Bernard Baruch Col	303	261	238	0	22	1	0	0	42
CUNY Bronx Cmty College	477	477	0	0	0	70	407	0	0
CUNY Brooklyn College	1,598	1,598	1,242	0	49	296	11	0	0
CUNY Central Sys Off	2,496	2,496	2,451	0	0	0	45	0	0
CUNY City College	12,046	11,681	10,418	0	0	260	988	15	365
CUNY Col Staten Island	458	458	439	0	13	0	6	0	0
CUNY Grad Sch & Univ Ctr	2,240	2,240	2,112	0	0	106	22	0	0
CUNY H.M. Lehman Coll	1,244	1,044	581	0	0	91	372	0	200
CUNY Hunter College	6,196	5,385	4,048	0	137	559	641	0	811
CUNY Jhn Jay Col Crim Jus	232	135	135	0	0	0	0	0	97
CUNY Kingsboro Cmty Col	3	0	0	0	0	0	0	0	3
CUNY Laguardia Cmty Col	140	27	0	0	27	0	0	0	113
CUNY Medgar Evers College	404	404	0	0	0	86	318	0	0
CUNY Mount Sinai Schl Med	51,910	46,208	43,954	0	0	2,047	207	0	5,702
CUNY NY City Tech Col	315	79	79	0	0	0	0	0	236
CUNY Queens College	2,070	2,070	1,946	0	92	0	32	0	0
CUNY Queensboro Cmty Col	98	98	0	0	98	0	0	0	0
CUNY York College	608	608	0	0	0	0	608	0	0
D'Youville College	1,301	73	0	0	0	0	0	73	1,228
Daemen College	1,478	0	0	0	0	0	0	0	1,478
Darkei No'am Rabbinical C	26	0	0	0	0	0	0	0	26
Derech Ayson Rabbin Sem	1,081	0	0	0	0	0	0	0	1,081
Dominican Col of Blauvelt	325	0	0	0	0	0	0	0	325
Dowling College	1,496	0	0	0	0	0	0	0	1,496
Elmira College	668	0	0	0	0	0	0	0	668
Five Towns College	336	0	0	0	0	0	0	0	336
Fordham University	4,904	1,649	1,252	0	0	283	84	30	3,255
Friends World College	209	0	0	0	0	0	0	0	209
Grad Schl of Poltcl Mngmt	140	71	0	0	0	0	71	0	69
Hamilton College	1,114	470	470	0	0	0	0	0	644
Hartwick College	713	0	0	0	0	0	0	0	713
Hilbert College	557	0	0	0	0	0	0	0	557
Hobart-Wm Smith Colleges	763	62	0	0	62	0	0	0	701
Hofstra University	3,687	431	235	29	0	0	0	167	3,256
Houghton College	824	0	0	0	0	0	0	0	824
Interboro Institute	1,598	0	0	0	0	0	0	0	1,598
Iona College	3,610	58	58	0	0	0	0	0	3,552
Ithaca College	2,168	335	335	0	0	0	0	0	1,833
Jamestown Bus College	305	0	0	0	0	0	0	0	305
Jesode Hatorah	2,078	0	0	0	0	0	0	0	2,078
Jewish Theol Sem of Amer	213	189	0	0	0	0	0	189	24
Juilliard School	475	0	0	0	0	0	0	0	475
Katherine Gibbs School	566	0	0	0	0	0	0	0	566
Kehilath Yakov Rab Sem	219	0	0	0	0	0	0	0	219

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
New York, cont'd									
Kauka College	698	0	0	0	0	0	0	0	698
King's College (NY)	338	0	0	0	0	0	0	0	338
Kol Yaakov Torah Center	64	0	0	0	0	0	0	0	64
Lab Inst of Merchandising	81	0	0	0	0	0	0	0	81
Le Moyne College	1,069	50	50	0	0	0	0	0	1,019
Long Island University	9,074	1,159	355	0	0	180	0	624	7,915
LI Sam Jew Stud Women	278	0	0	0	0	0	0	0	278
Machzikei Hadath Rab Col	149	0	0	0	0	0	0	0	149
Manhattan College	1,856	691	497	0	114	0	0	80	1,165
Manhattanville College	539	0	0	0	0	0	0	0	539
Mannes Col of Music	79	0	0	0	0	0	0	0	79
Maria College of Albany	266	0	0	0	0	0	0	0	266
Marist College	2,784	2	0	0	0	2	0	0	2,782
Marymount College (NY)	815	65	25	0	0	0	40	0	750
Marymount Manhattan Col	454	0	0	0	0	0	0	0	454
Matar Dei College	560	0	0	0	0	0	0	0	560
Medaille College	1,123	0	0	0	0	0	0	0	1,123
Mercy College	4,214	0	0	0	0	0	0	0	4,214
Mes Yot Vodaath Rabin Sam	216	0	0	0	0	0	0	0	216
Mesivta Estn Pkwy Rab Sam	79	0	0	0	0	0	0	0	79
Mesivtha Tifereth Jeru Am	101	0	0	0	0	0	0	0	101
Mirrer Yeshiva Cent Inst	169	0	0	0	0	0	0	0	169
Molloy College	1,037	0	0	0	0	0	0	0	1,037
Mount St Mary College	826	0	0	0	0	0	0	0	826
N Y Col of Podiatric Med	277	43	43	0	0	0	0	0	234
Nazareth Col of Rochester	975	38	25	0	13	0	0	0	937
New Sch for Soc Research	2,265	523	435	0	0	88	0	0	1,742
New York Chiropractic Col	205	0	0	0	0	0	0	0	205
New York Inst Technology	3,971	127	0	0	39	88	0	0	3,844
New York Medical College	11,336	10,862	10,080	0	0	48	120	614	474
New York University	92,792	80,795	75,749	0	0	3,550	554	942	11,997
Niagara University	1,949	0	0	0	0	0	0	0	1,949
Nysack College	489	0	0	0	0	0	0	0	489
Ohr Hametz Theol Sem	35	0	0	0	0	0	0	0	35
Ohr Somayach Tanenbaum	20	0	0	0	0	0	0	0	20
Olean Business Institute	134	0	0	0	0	0	0	0	134
Pace University	4,637	419	273	0	0	0	146	0	4,218
Plaza Business Institute	1,259	0	0	0	0	0	0	0	1,259
Polytechnic University	6,101	4,257	4,255	0	0	2	0	0	1,844
Pratt Institute	2,512	0	0	0	0	0	0	0	2,512
Rab Col Bobover Yeshiva	497	0	0	0	0	0	0	0	497
Rabbi Coll Ch'San So	99	0	0	0	0	0	0	0	99
Rabbinical C Beth Shraga	63	0	0	0	0	0	0	0	63
Rabbinical College L I	91	0	0	0	0	0	0	0	91
Rabbinical Sem of America	102	0	0	0	0	0	0	0	102
Rabbinical Sem Mkor Chaim	91	0	0	0	0	0	0	0	91
Rabbinical Sem Adas Yereim	135	0	0	0	0	0	0	0	135
Rensselaer Polytech Inst	21,789	21,789	18,317	0	0	202	132	3,138	0
Rika Breuer Tchrs Sem	31	0	0	0	0	0	0	0	31
Roberts Wesleyan College	563	0	0	0	0	0	0	0	563
Rochester Inst Technology	43,032	2,140	1,806	0	309	0	0	25	40,892
Rockefeller University	37,279	37,279	35,423	70	0	1,439	347	0	0
Russell Sage College	2,174	135	0	0	47	0	0	88	2,039
Sara Schenirer Tchrs Sem	1,032	0	0	0	0	0	0	0	1,032
Sarah Lawrence College	373	0	0	0	0	0	0	0	373
Sh'or Yeshuv Rabbinical C	58	0	0	0	0	0	0	0	58
Siena College	1,159	115	79	0	36	0	0	0	1,044
Skidmore College	954	0	0	0	0	0	0	0	954
St Bernard's Seminary	1,616	0	0	0	0	0	0	0	1,616
St Bonaventure University	932	0	0	0	0	0	0	0	932
St Francis College (NY)	881	0	0	0	0	0	0	0	881
St John Fisher College	1,242	73	73	0	0	0	0	0	1,169
St John's University (NY)	6,447	526	391	0	83	39	13	0	5,921
St Joseph's College	469	0	0	0	0	0	0	0	469
St Lawrence University	964	39	23	0	16	0	0	0	925
St Thomas Aquinas College	303	0	0	0	0	0	0	0	303
Stenotype Academy	433	0	0	0	0	0	0	0	433
Suffolk Co CC Eastern Cam	2	0	0	0	0	0	0	0	2
Syracuse University	23,753	14,981	13,690	0	0	463	247	581	8,772
SUNY - Hlth Sci Brooklyn	15,297	14,584	14,334	0	0	121	129	0	713
SUNY - Hlth Sci Syracuse	11,124	10,709	10,504	45	0	41	119	0	415
SUNY at Albany	21,285	19,387	18,727	15	0	109	536	0	1,898
SUNY at Binghamton	4,441	3,436	3,278	0	0	22	136	0	1,005
SUNY at Buffalo All Cmps	44,424	42,708	36,291	0	0	682	731	5,004	1,716
SUNY at Stony Brook	53,323	50,890	45,868	2,895	0	1,084	819	224	2,433
SUNY Adirondack Cmty Col	568	0	0	0	0	0	0	0	568
SUNY Ag & Tech Alfred	404	46	0	0	46	0	0	0	358
SUNY Ag & Tech Canton	431	0	0	0	0	0	0	0	431
SUNY Ag & Tech Cobleskill	232	58	58	0	0	0	0	0	174
SUNY Ag & Tech Delhi	238	0	0	0	0	0	0	0	238

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering	
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering		
New York, cont'd										
SUNY Ag & Tech Farmingdale	1,105	0	0	0	0	0	0	0	1,105	
SUNY Ag & Tech Morrisville	270	0	0	0	0	0	0	0	270	
SUNY Clinton Cnty College	738	0	0	0	0	0	0	0	738	
SUNY Cnty Col Finger Lake	1,378	0	0	0	0	0	0	0	1,378	
SUNY Col at Old Westbury	1,406	937	318	0	0	138	481	0	469	
SUNY Col of Env Sci & For	728	728	654	0	0	24	0	50	0	
SUNY College at Purchase	826	206	206	0	0	0	0	0	620	
SUNY College Brockport	1,630	518	375	0	21	0	53	69	1,112	
SUNY College Buffalo	3,977	1,072	724	0	0	58	101	189	2,905	
SUNY College Cortland	774	351	101	0	0	0	0	250	423	
SUNY College Fredonia	565	27	0	0	27	0	0	0	538	
SUNY College Genesee	791	154	154	0	0	0	0	0	637	
SUNY College New Paltz	1,311	263	183	0	0	0	0	80	1,048	
SUNY College Oneonta	568	0	0	0	0	0	0	0	568	
SUNY College Oswego	429	18	18	0	0	0	0	0	411	
SUNY College Plattsburgh	1,488	601	514	0	0	0	87	0	887	
SUNY College Potsdam	781	217	188	0	29	0	0	0	564	
SUNY Columbia Greene Col	563	0	0	0	0	0	0	0	563	
SUNY Corning Cnty College	1,937	0	0	0	0	0	0	0	1,937	
SUNY Dutchess Cnty Col	1,123	0	0	0	0	0	0	0	1,123	
SUNY Fashion Inst Tech	1,708	1,708	1,708	0	0	0	0	0	0	
SUNY Genesee Cnty College	1,931	0	0	0	0	0	0	0	1,931	
SUNY Hudson Val Cnty Col	1,963	121	100	0	21	0	0	0	1,842	
SUNY Inst Tech Utica-Rome	443	84	84	0	0	0	0	0	359	
SUNY Jefferson Cnty Col	1,025	0	0	0	0	0	0	0	1,025	
SUNY Mohawk Val Cnty Col	2,913	35	0	0	35	0	0	0	2,878	
SUNY Monroe Cnty College	3,087	0	0	0	0	0	0	0	3,087	
SUNY Nassau Cnty College	2,866	0	0	0	0	0	0	0	2,866	
SUNY Niagara Cnty Cnty Col	2,751	0	0	0	0	0	0	0	2,751	
SUNY North Cntry Cnty Col	1,052	0	0	0	0	0	0	0	1,052	
SUNY Onondaga Cnty Col	2,211	0	0	0	0	0	0	0	2,211	
SUNY Orange Cnty Cnty Col	1,156	0	0	0	0	0	0	0	1,156	
SUNY Rockland Cnty Col	1,783	0	0	0	0	0	0	0	1,783	
SUNY Schenectady Cnty CC	21	21	0	0	21	0	0	0	0	
SUNY St Col of Optometry	321	183	154	0	0	24	5	0	138	
SUNY Suffolk Co Cnty Col	3,886	0	0	0	0	0	0	0	3,886	
SUNY System Office	1,626	1,076	996	0	0	0	69	11	550	
SUNY Tompkins Cortland CC	1,312	34	0	0	0	0	34	0	1,278	
SUNY Ulster Cnty Cnty Col	1,169	0	0	0	0	0	0	0	1,169	
SUNY Westchester Cnty Col	87	87	0	0	0	87	0	0	0	
Talmud Sem Oholei Torah	357	0	0	0	0	0	0	0	357	
Talmudical Inst Upst N Y	24	0	0	0	0	0	0	0	24	
The Berkeley College	236	0	0	0	0	0	0	0	236	
Toba-Coburn Sch Fash Car	58	0	0	0	0	0	0	0	58	
Toldos Yakov Yosef	2,340	0	0	0	0	0	0	0	2,340	
Touro College	8,270	62	0	0	0	0	62	0	8,208	
Trocaire College	783	0	0	0	0	0	0	0	783	
Un of NY Regents Col Dag	102	102	102	0	0	0	0	0	0	
Union College (NY)	912	194	36	0	118	0	40	0	718	
Union Theol Seminary (NY)	93	0	0	0	0	0	0	0	93	
University of Rochester	115,415	110,524	102,453	913	0	4,818	479	1,861	4,891	
Vassar College	1,953	725	717	0	0	0	8	0	1,228	
Villa Maria Col Buffalo	510	0	0	0	0	0	0	0	510	
Wadhams Hall	37	0	0	0	0	0	0	0	37	
Wagner College	1,654	0	0	0	0	0	0	0	1,654	
Wells College	371	54	0	0	0	0	54	0	317	
Westchester Business Col	908	0	0	0	0	0	0	0	908	
Wood School	521	0	0	0	0	0	0	0	521	
Yeshiva & Kellal Har. Tor	57	0	0	0	0	0	0	0	57	
Yeshiva of Nitra Rabbin C	197	0	0	0	0	0	0	0	197	
Yeshiva Baia Yisroel	53	0	0	0	0	0	0	0	53	
Yeshiva Derech Chaim	122	0	0	0	0	0	0	0	122	
Yeshiva Karlin Stoln	61	0	0	0	0	0	0	0	61	
Yeshiva University	75,080	72,509	67,045	0	34	4,677	751	2	2,571	
Yeshivat Mikdash Melech	21	0	0	0	0	0	0	0	21	
Yeshivath Zichron Moshe	145	0	0	0	0	0	0	0	145	
North Carolina, total	465,915	353,878	305,255	1,194	230	16,895	5,772	24,532	112,037	
Anson Technical College	252	0	0	0	0	0	0	0	252	
Appalachian St University	4,173	823	653	0	118	0	52	0	3,350	
Barber-Scottie College	1,066	0	0	0	0	0	0	0	1,066	
Barton College	1,071	0	0	0	0	0	0	0	1,071	
Belmont Abbey College	464	0	0	0	0	0	0	0	464	
Bennett College (NC)	1,944	485	106	0	0	163	216	0	1,459	
Blanton's College	562	0	0	0	0	0	0	0	562	
Brevard College	294	0	0	0	0	0	0	0	294	
Campbell University	1,235	42	8	0	0	34	0	0	1,193	
Catawba College	459	0	0	0	0	0	0	0	459	
Cecil's Junior College	358	0	0	0	0	0	0	0	358	

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
North Carolina, cont'd									
Central Carolina Tech Col	325	0	0	0	0	0	0	0	325
Chowan College	964	0	0	0	0	0	0	0	964
Coastal Carolina Cmty Col	590	0	0	0	0	0	0	0	590
Davidson College	458	33	0	0	33	0	0	0	425
Duke University	131,020	125,861	116,109	376	0	6,390	964	2,022	5,159
East Carolina University	8,643	3,736	3,408	0	0	82	55	193	4,907
East Coast Bible College	167	0	0	0	0	0	0	0	167
Elizabeth City State Univ	3,644	140	88	0	0	3	49	0	3,504
Elon College	897	0	0	0	0	0	0	0	897
Fayetteville State Univ	4,790	277	0	0	0	0	277	0	4,513
Fayetteville Tech Inst	1,011	0	0	0	0	0	0	0	1,011
Gardner-Webb College	1,286	6	0	0	0	6	0	0	1,280
Greensboro College	590	0	0	0	0	0	0	0	590
Guilford College	1,109	0	0	0	0	0	0	0	1,109
Guilford Technical Inst	550	0	0	0	0	0	0	0	550
Hardbarger J Col of Bus	948	0	0	0	0	0	0	0	948
Haywood Technical Inst	1	1	1	0	0	0	0	0	0
High Point College	4	4	0	0	0	4	0	0	0
John Wesley Col (NC)	71	0	0	0	0	0	0	0	71
Johnson C Smith Univ	3,449	377	7	0	14	0	356	0	3,072
Lees-McRae College	2,879	0	0	0	0	0	0	0	2,879
Lenoir-Rhyne College	613	0	0	0	0	0	0	0	613
Livingstone College	1,551	0	0	0	0	0	0	0	1,551
Louisburg College	335	0	0	0	0	0	0	0	335
Mars Hill College	1,130	0	0	0	0	0	0	0	1,130
Meredith College	586	165	0	0	0	0	0	165	421
Methodist College	775	10	0	0	10	0	765	0	765
Montreat-Anderson College	282	0	0	0	0	0	0	0	282
Mount Olive College	859	0	0	0	0	0	0	0	859
N C State Univ at Raleigh	63,280	58,497	43,466	30	0	1,076	181	13,744	4,783
North Caro Wesleyan Col	469	0	0	0	0	0	0	0	469
North Carolina Cntrl Univ	5,779	928	395	0	0	371	162	0	4,851
NC Ag & Tech State Univ	15,320	9,711	6,078	0	0	225	475	2,933	5,609
Peace College	114	0	0	0	0	0	0	0	114
Pembroke State University	1,819	198	0	0	26	172	0	0	1,621
Pfeiffer College	490	0	0	0	0	0	0	0	490
Phillips Jr Col-Raleigh	978	0	0	0	0	0	0	0	978
Phillips Jr Coll-Charlo	697	0	0	0	0	0	0	0	697
Phillips Jr Coll-Fayette	519	0	0	0	0	0	0	0	519
Phillips Jr Coll-Greensbo	312	0	0	0	0	0	0	0	312
Phillips Jr Coll-Win Sa	248	0	0	0	0	0	0	0	248
Piedmont Bible Col	207	0	0	0	0	0	0	0	207
Queens College	314	5	5	0	0	0	0	0	309
Roanoke Bible College	55	0	0	0	0	0	0	0	55
Rowan Technical College	242	0	0	0	0	0	0	0	242
Salem College	171	0	0	0	0	0	0	0	171
Shaw University	4,394	168	20	0	0	80	68	0	4,226
St Andrews Presby Col	563	30	0	0	0	0	30	0	533
St Augustine's College	4,809	62	0	0	29	33	0	0	4,747
St Mary's College	43	0	0	0	0	0	0	0	43
Stanly Technical College	378	0	0	0	0	0	0	0	378
Surry Community College	494	0	0	0	0	0	0	0	494
Univ of N C at Asheville	801	39	39	0	0	0	0	0	762
Univ of N C at Charlotte	5,572	2,457	1,750	0	0	18	212	477	3,115
Univ of N C at Greensboro	5,739	2,280	1,688	131	0	75	15	371	3,459
Univ of N C at Wilmington	2,838	663	657	0	0	6	0	0	2,175
Univ of N C Sys Off	1,490	1,490	1,490	0	0	0	0	0	0
Univ of NC at Chapel Hill	123,985	114,020	100,183	657	0	7,092	1,600	4,486	9,965
Vance-Granville Cmty Coll	577	0	0	0	0	0	0	0	577
Wake Forest University	33,081	30,195	29,019	0	0	975	201	0	2,886
Warren Wilson College	474	0	0	0	0	0	0	0	474
Western Carolina Univ	2,914	334	87	0	0	9	99	139	2,580
Western Piedmont Cmty Col	537	0	0	0	0	0	0	0	537
Wingate College	666	0	0	0	0	0	0	0	666
Winston-Salem State Univ	4,133	841	0	0	0	81	760	0	3,292
North Dakota, total									
Dickinson State College	1,528	0	0	0	0	0	0	0	1,528
Fort Belthold Cmty College	321	2	2	0	0	0	0	0	319
Jamestown College	1,017	0	0	0	0	0	0	0	1,017
Little Hoop Com Col	503	89	0	0	0	89	0	0	414
Mayville State College	990	2	0	0	0	2	0	0	996
Minot State College	2,992	2	0	0	0	2	0	0	2,990
N Dak State School Sci	2,027	0	0	0	0	0	0	0	2,027
North Dakota State Univ	30,009	14,777	7,297	2,378	0	25	14	5,063	15,232
Standing Rock College	1,145	0	0	0	0	0	0	0	1,145
Trinity Bible Institute	579	0	0	0	0	0	0	0	579
Turtle Mountain Comm Col	1,961	238	0	0	0	0	238	0	1,723
University of Mary	1,549	50	0	0	0	50	0	0	1,499

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[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering						Other science and engineering	Non-science and engineering
		Total academic science and engineering	Research and development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering		
North Dakota, cont'd									
University of N Dakota	29,843	19,832	15,130	4,123	10	386	65	118	19,011
Valley City State College	964	0	0	0	0	0	0	0	964
Ohio, total	490,328	282,328	252,157	239	326	9,361	5,499	14,746	208,000
Antioch University	2,392	0	0	0	0	0	0	0	2,392
Art Academy of Cincinnati	106	0	0	0	0	0	0	0	106
Ashland University	2,628	0	0	0	0	0	0	0	2,628
Baldwin-Wallace College	2,281	41	41	0	0	0	0	0	2,240
Bliss College	759	0	0	0	0	0	0	0	759
Bluffton College	429	0	0	0	0	0	0	0	429
Bowling Green State Univ	13,343	1,808	1,091	0	0	0	22	695	11,535
Bradford School	224	0	0	0	0	0	0	0	224
Capital University	1,163	42	42	0	0	0	0	0	1,121
Careercom Col of Business	1,164	0	0	0	0	0	0	0	1,164
Casa Western Reserve Univ	82,839	77,215	71,263	78	0	5,020	808	46	5,824
Cedarville College	708	0	0	0	0	0	0	0	708
Central State University	672	672	605	0	0	67	0	0	156
Chatfield College	166	0	0	0	0	0	0	0	407
Cincinnati Bible Seminary	407	0	0	0	0	0	0	0	1,009
Cincinnati Technical Inst	1,009	0	0	0	0	0	0	0	141
Circleville Bible College	141	0	0	0	0	0	0	0	6,150
Cleveland State Univ	10,634	4,484	4,122	0	0	22	212	128	6,150
Col Mt St Joseph-on-Ohio	668	83	83	0	0	0	0	0	585
College of Wooster	1,041	186	154	0	0	0	24	0	855
Columbus Col Art & Design	800	0	0	0	0	0	0	0	800
Columbus State Comm Coll	28	28	0	0	28	0	0	0	85
Cuyahoga Cmty Col Dist	649	564	24	0	0	13	0	527	479
Davis Junior College	479	0	0	0	0	0	0	0	579
Defiance College	579	0	0	0	0	0	0	0	639
Denison University	725	86	86	0	0	0	0	0	1,017
Dyke College	1,017	0	0	0	0	0	0	0	744
Electronic Tech Inst-Ohio	744	0	0	0	0	0	0	0	892
Franciscan U Staubenville	892	0	0	0	0	0	0	0	745
Franklin University	745	0	0	0	0	0	0	0	193
God's Bible School & Col	193	0	0	0	0	0	0	0	697
Heidelberg College	725	28	28	0	0	0	0	0	1,091
Hiram College	1,115	24	0	0	24	0	0	0	149
ITT Tech Institute-Ohio	149	0	0	0	0	0	0	0	982
John Carroll University	1,320	338	318	0	20	0	0	0	27,435
Kent State University	32,236	4,801	3,727	0	0	220	854	341	341
Kenyon College	757	416	416	0	0	0	0	0	251
Lake Erie College	251	0	0	0	0	0	0	0	1,105
Lima Technical College	1,105	0	0	0	0	0	0	0	0
Lorain County Cmty Col	62	62	44	0	18	0	0	0	195
Lourdes College	195	0	0	0	0	0	0	0	823
Malone College	823	0	0	0	14	0	28	0	978
Marietta College	1,020	42	0	0	0	0	0	0	1,147
Marion Technical College	1,147	0	0	0	0	173	80	0	451
Mad Col of Ohio at Toledo	6,589	6,138	5,885	0	0	0	0	0	36
Methodist Theol Sch Ohio	36	0	0	0	0	0	0	0	7,209
Miami University (Ohio)	9,496	2,287	1,950	0	0	88	125	124	993
Mount Union College	993	0	0	0	0	0	0	0	786
Mt Vernon Nazarene Col	786	0	0	0	0	0	0	0	0
Muskingum Area Tech Col	28	28	28	0	0	0	0	0	687
Muskingum College	687	0	0	0	0	0	0	0	852
North Central Tech Col	852	0	0	0	0	0	0	0	239
Notre Dame College (OH)	359	120	100	0	20	0	0	0	285
NE Ohio Univs Med School	946	641	632	0	0	0	29	0	2,077
Oberlin College	2,394	317	307	0	10	0	0	0	57
Ohio Col of Podiatric Med	57	0	0	0	0	0	0	0	677
Ohio Dominican College	677	0	0	0	0	0	0	0	1,413
Ohio Northern University	1,526	113	5	0	35	0	73	0	15,052
Ohio State University	109,258	94,206	80,401	105	0	1,109	1,078	11,513	19,894
Ohio University	24,618	4,724	4,233	56	0	113	111	211	1,246
Ohio Wesleyan University	1,376	130	105	0	25	0	0	0	1,007
Otterbein College	1,007	0	0	0	0	0	0	0	132
Penn-Ohio Junior College	132	0	0	0	0	0	0	0	210
Rabbinical Col of Telshe	210	0	0	0	0	0	0	0	85
Sinclair Community Col	85	0	0	0	0	0	0	0	1,370
Southern Ohio College	1,370	0	0	0	0	0	0	0	1,124
Stark Technical Institute	1,124	0	0	0	0	0	0	0	1,287
The University of Findlay	1,391	104	0	0	0	0	0	104	423
Tiffin University	423	0	0	0	0	0	0	0	120
Trinity Lutheran Seminary	120	0	0	0	0	0	0	0	459
Union Institute	459	0	0	0	0	0	0	0	97
United Theol Sem (OH)	97	0	0	0	0	0	0	0	4,018
University of Akron	14,528	4,055	4,018	0	0	0	12	25	38,674
University of Cincinnati	67,212	43,746	38,674	0	0	2,092	2,617	363	23,466
University of Dayton	26,725	23,852	23,852	0	0	0	0	0	2,873

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: Fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Ohio, cont'd									
University of Rio Grande	1,701	0	0	0	0	0	0	0	1,701
University of Toledo	9,647	2,798	2,602	0	0	25	15	156	6,849
Ursuline University	1,716	0	0	0	0	0	0	0	1,716
Ursuline College	490	0	0	0	0	0	0	0	490
Virginia Marti Fash Inst	122	0	0	0	0	0	0	0	122
Walsh College	649	0	0	0	0	0	0	0	649
West Side Inst of Tech	317	0	0	0	0	0	0	0	317
Wilberforce University	4,001	24	10	0	0	14	0	0	3,977
Wilmington College	2,545	0	0	0	0	0	0	0	2,545
Wittenberg University	1,151	79	70	0	0	0	0	0	1,072
Wright State University	13,050	7,005	7,147	0	60	625	45	0	5,165
Xavier University	1,352	33	0	0	33	0	0	0	1,319
Youngstown C Bus & Draftg	122	0	0	0	0	0	0	0	122
Youngstown St University	7,374	100	94	0	14	0	0	0	7,266
Oklahoma, total	132,585	52,318	35,066	440	57	1,611	600	13,720	80,267
Bacone College	2	2	0	0	0	2	0	0	0
Bartlesville Wesleyan Col	515	3	0	0	0	3	0	0	512
Bethany Nazarene College	855	0	0	0	0	0	0	0	855
Cameron University	2,735	0	0	0	0	0	0	0	2,735
Carl Albert Junior Col	1,658	0	0	0	0	0	0	0	1,658
Central State Univ (OK)	3,506	2	0	0	0	2	0	0	3,504
Connors State College	2,115	0	0	0	0	0	0	0	2,115
East Central University	3,677	189	167	0	0	22	0	0	3,488
Eastern Okla State Col	1,110	0	0	0	0	0	0	0	1,110
El Reno Junior College	1	1	0	0	0	1	0	0	0
Flaming Rainbow Univ	537	0	0	0	0	0	0	0	537
Hillsdale F-W-Baptist Col	168	0	0	0	0	0	0	0	168
Langston University	6,411	2,605	1,197	0	33	101	0	1,474	3,406
Murray State College	1,012	0	0	0	0	0	0	0	1,012
Northeastern Okla A&M Col	1,939	3	0	0	0	3	0	0	1,936
Northeastern State Univ	5,781	498	95	0	24	43	0	336	5,283
Northern Oklahoma College	697	0	0	0	0	0	0	0	697
Northwestern Okla St Univ	1,105	1	0	0	0	1	0	0	1,104
Okla Col Osteo Med & Surg	1,207	100	100	0	0	0	0	0	1,099
Okla Panhandle State Univ	937	0	0	0	0	0	0	0	937
Oklahoma Baptist Univ	1,114	0	0	0	0	0	0	0	1,114
Oklahoma City University	994	0	0	0	0	0	0	0	994
Oklahoma State University	36,346	25,586	15,052	287	0	395	57	9,795	10,760
Oral Roberts University	3,629	6	0	0	0	6	0	0	3,622
OK Christian Univ Sci/Art	1,401	12	0	0	0	12	0	0	1,389
OK City Community College	2	2	0	0	0	2	0	0	0
OK Junior Col Bus & Tech	2,934	0	0	0	0	0	0	0	2,934
Phillips University	697	21	0	0	0	0	21	0	676
Roger State College	2,456	2	0	0	0	2	0	0	2,454
Seminole Junior Col (OK)	767	1	0	0	0	1	0	0	766
Southeastern Okla St Univ	3,616	173	0	0	0	4	169	0	3,443
Southwestern Okla St Univ	3,060	74	0	0	0	9	0	61	2,986
St Gregorys College	205	109	0	0	0	0	0	109	177
SW Col of Christian Minis	137	0	0	0	0	0	0	0	137
Tulsa Junior College	2,270	0	0	0	0	0	0	0	2,270
Univ Sci & Arts of Okla	1,526	76	76	0	0	0	0	0	1,450
University of Oklahoma	31,118	21,225	17,002	161	0	952	361	1,949	9,893
University of Tulsa	3,353	1,419	1,377	0	0	42	0	0	1,934
Western Oklahoma State Col	702	0	0	0	0	0	0	0	702
Oregon, total	180,424	124,384	95,772	10,340	282	2,611	1,823	13,554	54,040
Chenook Community Col	3,107	64	0	0	0	0	64	0	3,123
Clatsop Community College	512	0	0	0	0	0	0	0	512
Columbia Christian Col	214	0	0	0	0	0	0	0	214
Concordia College (Ore)	367	0	0	0	0	0	0	0	367
Eastern Oregon St College	2,672	582	397	0	0	0	0	185	2,090
Eugene Bible College	134	0	0	0	0	0	0	0	134
George Fox College	980	0	0	0	0	0	0	0	980
ITT Technical Inst	228	0	0	0	0	0	0	0	228
Lewis & Clark College	1,620	283	93	0	0	2	108	80	1,337
Linfield College	1,696	105	105	0	0	0	0	0	1,591
Marylhurst Education Ctr	415	0	0	0	0	0	0	0	415
Mt Angel Seminary	23	0	0	0	0	0	0	0	23
Multnomah School of Bible	396	0	0	0	0	0	0	0	396
Northwest Christian Col	199	0	0	0	0	0	0	0	199
Oregon Grad Inst Sci Tech	3,821	3,821	3,808	0	0	0	13	0	0
Oregon Hlth Sciences Univ	45,997	42,403	25,344	10,000	0	804	687	5,588	3,594
Oregon Institute of Tech	295	295	225	0	0	70	0	0	0
Oregon Polytechnic Inst	364	0	0	0	0	0	0	0	364
Oregon State University	59,040	50,945	44,542	0	0	700	671	4,932	8,293
Pacific NW College of Art	171	0	0	0	0	0	0	0	171
Pacific University	1,796	48	0	0	35	13	0	0	1,748

See explanatory material, if any, and SOURCE, at end of table.

Table C-18. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

(Dollars in thousands)

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State and institution	Total, all activities	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees, ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Oregon, cont'd									
Portland Community Col	6,043	113	3	0	100	2	0	0	5,930
Portland State University	9,612	2,737	2,286	0	0	2	110	339	6,875
Reed College	1,177	434	410	0	16	0	0	0	743
Southern Oregon St Col	2,960	66	5	0	0	0	61	0	2,894
Southwestern Oreg Cmty Col	3	3	3	0	0	0	0	0	0
Treasure Valley Cmty Col	554	0	0	0	0	0	0	0	554
University of Oregon Main	29,470	21,583	18,251	340	0	1,088	121	1,783	7,887
University of Portland	1,325	161	84	0	61	0	0	46	1,164
Western Baptist College	397	0	0	0	0	0	0	0	397
Western Oregon State Coll	3,283	841	238	0	0	0	0	603	2,442
Willamette University	1,228	0	0	0	0	0	0	0	1,228
Wtrn States Chioprc C	240	0	0	0	0	0	0	0	240
Pennsylvania, total	790,569	588,635	536,674	2,248	917	23,805	5,181	20,010	202,034
Albright College	534	0	0	0	0	0	0	0	534
Allegheny College	1,124	159	112	0	47	0	0	0	965
Allentown C St Fr Desales	461	0	0	0	0	0	0	0	461
Alvernia College	355	0	0	0	0	0	0	0	355
American Inst Drafting	422	0	0	0	0	0	0	0	422
Art Inst Philadelphia	871	0	0	0	0	0	0	0	871
Art Inst Pittsburgh	2,053	0	0	0	0	0	0	0	2,053
Baptist Bible Coll & Sem	277	0	0	0	0	0	0	0	277
Beaver College	378	17	0	0	17	0	0	0	361
Bloomsburg Univ of Penn	120	49	49	0	0	0	0	0	71
Bryn Mawr College	1,486	921	629	0	0	198	0	94	565
Bucknell University	1,167	246	219	0	27	0	0	0	921
Cabrini College	486	89	82	0	0	7	0	0	427
Carlson College	716	0	0	0	0	0	0	0	716
Carnegie-Mellon Univ	55,900	52,344	50,025	189	0	1,429	191	510	4,556
Cedar Crest College	324	0	0	0	0	0	0	0	324
Chatham College	723	0	0	0	0	0	0	0	723
Chestnut Hill College	478	190	152	0	38	0	0	0	280
Chi Institute	152	0	0	0	0	0	0	0	152
Clarion Univ of Penn	3,297	0	0	0	0	0	0	0	3,297
Cnty Col of Philadelphia	9,364	2	2	0	0	0	0	0	9,362
Cnty Col Allegheny County	7,897	0	0	0	0	0	0	0	7,897
College Misericordia	924	62	0	0	0	0	0	62	862
Dean Institute of Tech	39	0	0	0	0	0	0	0	39
Dickinson College	1,032	287	127	0	21	0	139	0	745
Dickinson School of Law	80	0	0	0	0	0	0	0	80
Drexel University	9,918	7,235	7,185	25	0	24	31	0	2,683
Duquesne University	2,665	130	80	0	0	0	0	80	2,535
Eastern Baptist Theol Sem	12	0	0	0	0	0	0	0	12
Eastern College	633	0	0	0	0	0	0	0	633
Edinboro Univ of Penn	83	83	83	0	0	0	0	0	0
Electronic Insts-Pitts	262	0	0	0	0	0	0	0	262
Elizabethtown College	445	0	0	0	0	0	0	0	445
Franklin & Marshall Col	1,108	443	443	0	0	0	0	0	665
Gannon University	2,999	0	0	0	0	0	0	0	2,999
Geneva College	962	26	0	0	26	0	0	0	936
Gettysburg College	777	181	181	0	0	0	0	0	596
Gwynedd-Mercy College	594	0	0	0	0	0	0	0	594
Hahnemann University	8,891	7,119	5,795	0	0	124	131	69	1,472
Harcum Junior College	738	0	0	0	0	0	0	0	738
Harrisburg Area Cmty Col	1,186	0	0	0	0	0	0	0	1,186
Haverford College	1,016	587	593	0	24	0	40	0	359
Holy Family College	932	0	0	0	0	0	0	0	932
Immaculate College	314	0	0	0	0	0	0	0	314
Indiana Univ of Penn	9,250	468	235	0	41	0	0	192	8,782
Junata College	950	341	186	0	100	0	0	55	609
Keystone Junior College	614	0	0	0	0	0	0	0	614
King's College (PA)	1,082	0	0	0	0	0	0	0	1,082
Kutztown Univ of Penn	1,889	66	66	0	0	0	0	0	1,823
La Roche College	564	0	0	0	0	0	0	0	564
La Salle University	1,896	73	73	0	0	0	0	0	1,823
Lackawanna Junior College	496	0	0	0	0	0	0	0	496
Lafayette College	406	12	12	0	0	0	0	0	394
Lancaster Bible College	250	0	0	0	0	0	0	0	250
Lebanon Valley College	470	0	0	0	0	0	0	0	470
Lehigh University	12,552	11,522	10,825	0	0	403	219	75	1,030
Lincoln University (PA)	3,983	1,367	661	0	0	534	172	0	2,616
Lock Haven Univ of Penn	1,952	0	0	0	0	0	0	0	1,952
Lutheran Theological Sem	13	0	0	0	0	0	0	0	13
Lycoming College	567	0	0	0	0	0	0	0	567
Manor Junior College	217	0	0	0	0	0	0	0	217
Mansfield Univ of Penn	1,518	0	0	0	0	0	0	0	1,518
Marywood College	1,332	0	0	0	0	0	0	0	1,332
McCarrie Sch Hlth Sci Tec	307	0	0	0	0	0	0	0	307

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
Pennsylvania, cont'd									
Medical Col of Penn	13,829	13,500	12,588	0	0	795	117	0	329
Mercyhurst College	1,233	24	0	0	24	0	0	0	1,209
Messiah College	1,214	0	0	0	0	0	0	0	1,214
Millersville Univ of Penn	79	79	36	0	43	0	0	0	0
Moore Col of Art & Design	451	0	0	0	0	0	0	0	451
Moravian College	402	0	0	0	0	0	0	0	402
Mount Aloysius Junior Col	896	0	0	0	0	0	0	0	896
Muhlenberg College	459	0	0	0	0	0	0	0	459
Neumann College	271	0	0	0	0	0	0	0	271
Northampton Cnty Cmty Col	1,195	297	0	0	0	0	0	297	898
Northeastn Christián Jr Col	289	0	0	0	0	0	0	0	289
O.S. Johnson Sch Tech	118	0	0	0	0	0	0	0	118
Palmer School	800	0	0	0	0	0	0	0	800
Peirce Jr College	883	0	0	0	0	0	0	0	883
Penn Col of Podiatric Med	510	0	0	0	0	0	0	0	510
Penn Technical Institute	257	0	0	0	0	0	0	0	257
Pennco Tech	350	0	0	0	0	0	0	0	350
Pennsylvania Col of Tech	3,117	55	0	0	0	0	55	0	3,062
Pennsylvania Col Optomet	1,336	699	692	0	0	7	0	0	637
Pennsylvania Inst of Tech	328	0	0	0	0	0	0	0	328
Pennsylvania State Univ	184,948	156,037	136,754	241	28	2,035	1,074	15,905	28,911
Phila Col of Pharm & Sci	424	314	314	0	0	0	0	0	110
Phila Col Osteopathic Med	563	74	74	0	0	0	0	0	489
Philadelphia Col of Bible	387	0	0	0	0	0	0	0	387
Pinebrook Junior College	96	0	0	0	0	0	0	0	96
Pittsburgh Inst Mort. Sci	22	0	0	0	0	0	0	0	22
Point Park College	1,387	0	0	0	0	0	0	0	1,387
Reading Area CC	79	0	0	0	0	0	0	0	79
Robert Morris College	1,686	0	0	0	0	0	0	0	1,686
Rosemont College	219	0	0	0	0	0	0	0	219
Seton Hill College	1,278	0	0	0	0	0	0	0	1,278
Shippensburg Univ of Penn	10	10	0	0	10	0	0	0	0
Spring Garden College	200	0	0	0	0	0	0	0	200
St Charles Borromeo Sem	38	0	0	0	0	0	0	0	38
St Francis College	1,230	0	0	0	0	0	0	0	1,230
St Joseph's University	1,008	0	0	0	0	0	0	0	1,008
St Vincent Col and Sem	1,031	0	0	0	0	0	0	0	1,031
Susquehanna University	607	33	9	0	24	0	0	0	574
Swarthmore College	2,180	1,393	1,364	0	29	0	0	0	787
Temple University	40,797	28,545	26,098	0	0	1,344	371	732	12,252
Thiel College	1,125	0	0	0	0	0	0	0	1,125
Thomas Jefferson Univ	25,424	23,417	22,195	0	0	887	188	147	2,007
Triangle Tech, Inc.	1,614	0	0	0	0	0	0	0	1,614
United Wesleyan College	32	0	0	0	0	0	0	0	32
Univ of Pennsylvania	169,525	157,374	142,509	804	0	11,991	1,767	303	12,151
University of Pittsburgh	146,345	121,254	114,262	989	160	3,727	597	1,519	25,091
University of Scranton	1,624	0	0	0	0	0	0	0	1,624
Ursinus College	428	76	0	0	76	0	0	0	352
Vale Technical Institute	59	0	0	0	0	0	0	0	59
Valley Forge Christ Col	438	0	0	0	0	0	0	0	438
Valley Forge Milit Jr Col	124	0	0	0	0	0	0	0	124
Villa Maria College	20	0	0	0	0	0	0	0	20
Villanova University	2,988	1,038	767	0	182	0	89	0	1,950
Washington & Jefferson Col	637	0	0	0	0	0	0	0	637
Waynesburg College	1,529	0	0	0	0	0	0	0	1,529
West Chester Univ of Penn	2,402	44	44	0	0	0	0	0	2,358
Westminster College (PA)	828	153	153	0	0	0	0	0	675
Widener University	1,978	60	60	0	0	0	0	0	1,918
Wilkes University	1,477	0	0	0	0	0	0	0	1,477
Wilson College	129	0	0	0	0	0	0	0	129
York College of Penn	753	0	0	0	0	0	0	0	753
Rhode Island, total	81,925	58,054	51,828	797	14	1,392	600	3,423	23,871
Brown University	42,228	37,107	33,342	797	0	1,351	406	1,211	5,121
Bryant Col of Bus Admin	897	0	0	0	0	0	0	0	897
Cmty Col of Rhode Island	3,021	0	0	0	0	0	0	0	3,021
Johnson & Wales Univ	3,375	0	0	0	0	0	0	0	3,375
N Eng Inst of Technology	1,244	0	0	0	0	0	0	0	1,244
Providence College	1,621	0	0	0	0	0	0	0	1,621
Rhode Island College	3,616	373	47	0	14	0	71	241	3,243
Roger Williams College	857	0	0	0	0	0	0	0	857
Salve Regina College	342	0	0	0	0	0	0	0	342
Univ of Rhode Island	24,724	20,574	18,439	0	0	41	123	1,971	4,150
South Carolina, total	120,735	59,244	42,705	9	172	1,340	1,702	13,316	61,491
Allen University	650	0	0	0	0	0	0	0	650
Anderson College	623	0	0	0	0	0	0	0	623
Baptist Col at Charleston	1,697	50	50	0	0	0	0	0	1,647

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering	
South Carolina, cont'd									
Benedict College	5,327	756	41	0	0	151	564	0	4,571
Central Wesleyan College	528	0	0	0	0	0	0	0	528
Citadel Military Col S C	41	41	16	0	25	0	0	0	0
Claflin College	3,092	195	195	0	0	0	0	0	2,897
Clemson University	22,398	18,619	10,457	0	0	85	79	7,998	3,779
Clinton Junior College	86	0	0	0	0	0	0	0	86
Coker College	416	0	0	0	0	0	0	0	416
College of Charleston	2,111	26	13	0	13	0	0	0	2,085
Columbia Bible Col	377	0	0	0	0	0	0	0	377
Columbia College	772	0	0	0	0	0	0	0	772
Converse College	369	10	0	0	10	0	0	0	359
Erskine College	366	50	50	0	0	0	0	0	316
Florence Darlington T C	1,247	16	0	0	16	0	0	0	1,231
Francis Marion College	1,442	74	74	0	0	0	0	0	1,368
Furman University	1,371	285	234	0	51	0	0	0	1,086
Greenville Tech College	2,069	67	0	0	9	58	0	0	2,002
Horry-Georgetown Tech Col	829	0	0	0	0	0	0	0	829
Lander College	980	0	0	0	0	0	0	0	980
Limestone College	700	0	0	0	0	0	0	0	700
Med Univ of So Carolina	17,096	14,438	13,779	0	0	472	187	0	2,658
Midlands Tech College	1,929	0	0	0	0	0	0	0	1,929
Morris College	2,563	0	0	0	0	0	0	0	2,563
Newberry College	570	0	0	0	0	0	0	0	570
North Greenville College	400	0	0	0	0	0	0	0	400
Orngbrg-Calhn Tech Ed Ctr	19	19	0	0	19	0	0	0	0
Phillips Jr College	457	0	0	0	0	0	0	0	457
Piedmont Tech College	1,075	0	0	0	0	0	0	0	1,075
Presbyterian College	390	0	0	0	0	0	0	0	390
Sherman Col of Chiropract	179	0	0	0	0	0	0	0	179
South Carolina St College	10,386	3,790	1,536	0	20	270	150	1,814	6,596
Spartanburg Math College	668	0	0	0	0	0	0	0	668
Sumter Area Tech College	120	120	0	0	0	120	0	0	0
SC Sea Grant Consortium	30	30	30	0	0	0	0	0	0
Trident Technical College	2,482	0	0	0	0	0	0	0	2,482
Univ of South Carolina	29,190	20,401	16,103	9	9	184	670	3,426	8,789
Voorhees College	2,732	14	14	0	0	0	0	0	2,718
Williamsburg Tech College	494	0	0	0	0	0	0	0	494
Winthrop College	2,031	243	113	0	0	0	52	78	1,788
Wofford College	433	0	0	0	0	0	0	0	433
South Dakota, total	43,681	11,592	5,791	1,629	111	127	17	3,917	32,089
Augustana College	1,822	111	102	0	0	9	0	0	1,711
Black Hill State Univ	2,753	0	0	0	0	0	0	0	2,753
Cheyenne River Com Col	143	10	0	0	0	10	0	0	133
Cnty Col of N Ctrl U Ctr	159	0	0	0	0	0	0	0	159
Dakota State University	1,138	0	0	0	0	0	0	0	1,138
Dakota Wesleyan Univ	1,407	2	0	0	0	2	0	0	1,405
Huron University	641	6	0	0	0	6	0	0	635
Mount Marty College	842	25	0	0	18	7	0	0	817
National College	1,512	0	0	0	0	0	0	0	1,512
Northern State University	2,821	15	10	0	0	5	0	0	2,806
Oglala Lakota College	2,100	180	178	0	0	2	0	0	1,920
Presentation College	2,919	10	0	0	0	10	0	0	2,909
S Dak Sch Mines & Tech	2,144	2,144	1,971	0	93	6	0	74	0
Sinte Gleske College	1,791	155	0	0	0	0	0	155	1,636
Sioux Falls College	687	0	0	0	0	0	0	0	687
Sisseton-Wahpeton Cnty C	742	0	0	0	0	0	0	0	742
South Dakota State Univ	13,464	8,156	3,051	1,629	0	17	0	3,459	5,308
U of S D System Office	5,432	163	48	0	0	36	0	79	5,269
Univ of South Dakota	1,164	615	431	0	0	17	17	150	549
Tennessee, total	276,456	164,132	133,724	600	260	7,602	5,182	16,764	112,324
American Baptist College	177	0	0	0	0	0	0	0	177
Aquinas Junior College	112	0	0	0	0	0	0	0	112
Austin Peay State Univ	3,986	112	0	0	24	0	88	0	3,874
Belmont College	728	0	0	0	0	0	0	0	728
Bethel College (Tenn)	689	0	0	0	0	0	0	0	689
Bristol University	139	0	0	0	0	0	0	0	139
Bryan College	562	0	0	0	0	0	0	0	562
Carson-Newman College	1,265	0	0	0	0	0	0	0	1,265
Chattanooga St Tech CC	1,695	258	0	0	0	0	0	258	1,437
Christian Brothers Univ	1,222	24	0	0	24	0	0	0	1,198
Cleveland State Cnty Col	1,066	0	0	0	0	0	0	0	1,066
Columbia State Cnty Col	704	0	0	0	0	0	0	0	704
Cooper Institute	48	0	0	0	0	0	0	0	48
Cumberland Col of Tenn	379	0	0	0	0	0	0	0	379
David Lipscomb University	772	20	20	0	0	0	0	0	752
Draghons Jr C-Knoxville	1,694	0	0	0	0	0	0	0	1,694

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Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering	
Tennessee, cont'd									
Draughtons JC - Nashville	807	0	0	0	0	0	0	0	807
Dyersburg State Cmty Col	929	0	0	0	0	0	0	0	929
East Tennessee State Univ	6,933	1,468	1,016	0	0	180	32	240	5,465
Edmondson Junior College	2,107	0	0	0	0	0	0	0	2,107
Fisk University	3,076	967	707	0	0	22	238	0	2,109
Freed-Hardeman University	1,337	8	0	0	0	8	0	0	1,329
Hiwassee College	1,822	7	0	0	7	0	0	0	1,815
ITT Technical Institute	59	0	0	0	0	0	0	0	59
Jackson State Cmty Col	879	0	0	0	0	0	0	0	879
John A Guppton College	21	0	0	0	0	0	0	0	21
King College (Tenn)	405	0	0	0	0	0	0	0	405
Knoxville College	3,730	0	0	0	0	0	0	0	3,730
Lambuth College	575	0	0	0	0	0	0	0	575
Lane College	2,630	238	0	0	0	121	117	0	2,392
Le Moyne-Owen College	3,617	270	270	0	0	0	0	0	3,347
Lee College (Tenn)	1,547	0	0	0	0	0	0	0	1,547
Lincoln Memorial Univ	1,969	0	0	0	0	0	0	0	1,969
Martin College	257	0	0	0	0	0	0	0	257
Maryville College	495	0	0	0	0	0	0	0	495
McKenzie College	742	0	0	0	0	0	0	0	742
Meharry Medical College	21,405	9,226	6,608	242	0	425	1,838	113	12,179
Memphis Academy of Arts	163	0	0	0	0	0	0	0	163
Memphis State University	8,510	3,607	3,291	0	0	35	104	177	4,903
Middle Tennessee St Univ	5,337	201	146	0	0	0	0	55	5,136
Milligan College	516	0	0	0	0	0	0	0	516
Motlow State Cmty College	1,281	0	0	0	0	0	0	0	1,281
Nashville State Tech Inst	20	20	20	0	0	0	0	0	0
O'More Sch Architect Inter	13	0	0	0	0	0	0	0	13
Rhodes College	519	0	0	0	0	0	0	0	519
Roane State Community Col	2,148	0	0	0	0	0	0	0	2,148
Shelby State Cmty College	3,407	0	0	0	0	0	0	0	3,407
Southern Col of Optometry	369	60	60	0	0	0	0	0	309
Southern Col of 7-Day Adv	1,155	0	0	0	0	0	0	0	1,155
State Tech Inst Memphis	1,552	16	0	0	16	0	0	0	1,536
Tenn Technological Univ	841	836	750	0	86	0	0	0	5
Tennessee Inst Electronic	100	0	0	0	0	0	0	0	100
Tennessee State Univ	15,607	7,288	3,988	240	0	237	684	2,139	8,319
Tennessee Temple Univ	1,031	0	0	0	0	0	0	0	1,031
Tennessee Wesleyan Col	500	0	0	0	0	0	0	0	500
Tomlinson College	299	0	0	0	0	0	0	0	299
Trevecca Nazarene College	891	17	17	0	0	0	0	0	874
Tusculum College	812	0	0	0	0	0	0	0	812
Union University	833	0	0	0	0	0	0	0	833
Univ of Tenn System Off	1,651	1,551	1,487	0	0	0	0	64	100
Univ of Tennessee All Cmp	73,038	58,126	44,759	118	103	1,038	779	11,329	14,912
University of the South	610	0	0	0	0	0	0	0	610
Vanderbilt University	82,613	79,812	70,585	0	0	5,536	1,302	2,389	2,801
Volunteer State Cmty Col	800	0	0	0	0	0	0	0	800
Walters State Comm Coll	1,260	0	0	0	0	0	0	0	1,260
Texas, total									
Abilene Christian Univ	2,145	84	84	0	0	0	0	0	2,061
Alamo Cmty Col Dist	9,136	0	0	0	0	0	0	0	9,136
Amarillo College	1,129	44	0	0	44	0	0	0	1,085
Arlington Baptist Coll	98	0	0	0	0	0	0	0	98
Austin Cmty Col (Tex)	3,547	0	0	0	0	0	0	0	3,547
Austin College	804	0	0	0	0	0	0	0	804
Baptist Miss Assoc Th Sem	11	0	0	0	0	0	0	0	11
Baylor Col of Dentistry	871	755	715	0	0	19	21	0	116
Baylor Col of Medicine	78,235	76,110	72,260	0	0	2,025	543	1,282	2,125
Baylor University	5,446	1,840	1,823	0	0	0	17	0	3,606
Brazosport College	236	0	0	0	0	0	0	0	236
Brookhaven College	627	0	0	0	0	0	0	0	627
Cedar Valley College	343	0	0	0	0	0	0	0	343
Central Texas College	1	1	0	0	0	1	0	0	0
Cisco Junior College	561	0	0	0	0	0	0	0	561
Clarendon College	8	0	0	0	0	0	0	0	8
College of the Mainland	543	0	0	0	0	0	0	0	543
Concordia Lutheran Col	350	0	0	0	0	0	0	0	350
Corpus Christi State Univ	1,372	244	0	0	0	44	0	200	1,128
Dallas Baptist College	778	0	0	0	0	0	0	0	778
Dallas Christian College	82	0	0	0	0	0	0	0	82
Del Mar College	2,607	60	60	0	0	0	0	0	2,547
DeVry Inst of Tech (TX)	3,159	0	0	0	0	0	0	0	3,159
East Texas Baptist Col	747	0	0	0	0	0	0	0	747
East Texas State Univ	3,118	128	0	0	0	0	0	128	2,990
El Paso Cmty College	164	38	0	0	38	0	0	0	126
Galveston College	14	14	0	0	14	0	0	0	0
Gulf Coast Bible College	201	0	0	0	0	0	0	0	201

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[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees- hips, and training grants	General support science and engi- neering	Other science and engi- neering	
Texas, cont'd									
Hardin-Simmons University	1,033	0	0	0	0	0	0	0	1,033
Houston Baptist Univ	905	208	0	0	0	0	0	208	697
Houston Community College	5,386	320	173	0	0	147	0	0	5,066
Howard Payne University	1,028	0	0	0	0	0	0	0	1,028
Huston-Tillotson College	2,312	0	0	0	0	0	0	0	2,312
Incarinate Word College	2,816	0	0	0	0	0	0	0	2,816
Inst for Christian Studie	18	0	0	0	0	0	0	0	18
ITT Tech Inst-Arlington	51	0	0	0	0	0	0	0	51
ITT Tech Inst-Houston	83	0	0	0	0	0	0	0	83
Jacksonville College	197	0	0	0	0	0	0	0	197
Jarvis Christian College	1,803	125	125	0	0	0	0	0	1,678
Lamar Univ., Port Arthur	1,049	0	0	0	0	0	0	0	1,049
Lamar University - Beaumo	5,984	2,362	1,718	0	61	0	241	342	3,622
Lamar University, Orange	359	0	0	0	0	0	0	0	359
Laredo Junior College	3,949	0	0	0	0	0	0	0	3,949
Laredo State University	585	69	0	0	0	0	0	69	516
LeTourneau University	805	0	0	0	0	0	0	0	805
Lon Morris College	229	0	0	0	0	0	0	0	229
Lubbock Christian College	754	0	0	0	0	0	0	0	754
McMurry College	1,039	0	0	0	0	0	0	0	1,039
Midwestern State Univ	1,385	38	38	0	0	0	0	0	1,347
Northeast TX Com Col	10	10	0	0	10	0	0	0	0
Northlake College	334	0	0	0	0	0	0	0	334
Northwood Institute-Texas	224	0	0	0	0	0	0	0	224
Our Lady of the Lake Univ	2,165	153	0	0	0	1	0	152	2,012
Parker Coll of Chiropract	304	0	0	0	0	0	0	0	304
Paul Quinn College	1,920	25	25	0	0	0	0	0	1,895
Prairie View A & M Univ	14,093	6,528	3,296	200	0	101	276	2,655	7,565
Rice University	21,047	21,047	15,015	212	0	463	453	4,904	0
Sam Houston State Univ	2,836	30	30	0	0	0	0	0	2,806
Schreiner College	415	0	0	0	0	0	0	0	415
South Plains College	1,580	0	0	0	0	0	0	0	1,580
South Texas Col of Law	214	0	0	0	0	0	0	0	214
Southern Methodist Univ	9,054	6,800	6,549	0	0	5	97	149	2,254
Southwest Texas Jr Col	1,582	0	0	0	0	0	0	0	1,582
Southwest Texas St Univ	6,714	1,653	652	0	270	0	252	479	5,061
Southwestern Adventist C	515	0	0	0	0	0	0	0	515
Southwestern Univ (TX)	688	29	0	0	29	0	0	0	659
Southwestn Assemb God Col	665	0	0	0	0	0	0	0	665
Southwestn Christian Col	775	0	0	0	0	0	0	0	775
St Edward's University	2,509	25	25	0	0	0	0	0	2,484
St Mary's Univ S Antonio	3,583	643	300	0	0	150	193	0	2,940
Stephen F Austin St Univ	4,455	711	222	0	0	0	229	260	3,744
Sul Ross State University	1,216	0	0	0	0	0	0	0	1,216
Tarleton State University	53	53	53	0	0	0	0	0	0
Temple Junior College	544	0	0	0	0	0	0	0	544
Texas A & I University	5,209	785	230	0	18	90	304	143	4,424
Texas A & M Univ Sys Off	6,539	6,276	6,221	0	0	0	55	0	263
Texas A & M University	81,898	69,374	47,221	3,460	34	1,123	187	17,349	12,524
Texas Chiropractic Col	261	0	0	0	0	0	0	0	261
Texas Christian Univ	5,242	2,787	2,698	0	0	0	0	89	2,455
Texas Col of Osteo Med	2,961	2,595	2,488	0	0	52	55	0	366
Texas College	1,874	0	0	0	0	0	0	0	1,874
Texas Lutheran College	708	42	0	0	42	0	0	0	666
Texas Southern Univ	11,912	2,857	1,795	0	0	288	642	132	9,055
Texas State Tech Inst	6,914	940	0	0	100	0	840	0	5,974
Texas Tech University	15,366	6,501	5,602	0	0	134	61	704	8,065
Texas Wesleyan University	707	85	0	0	0	0	0	85	622
Texas Women's University	4,077	1,080	392	0	0	0	256	432	2,997
Trinity University	2,216	635	562	0	67	0	6	0	1,581
Tyler Junior College	220	0	0	0	0	0	0	0	220
U of Houston Downtown Col	3,856	1,001	996	0	0	5	0	0	2,855
U of Houston Sys Off	706	706	706	0	0	0	0	0	0
U of Houston Univ Park	23,108	14,580	13,370	0	0	632	80	498	8,528
U of Texas at San Antonio	7,056	3,040	1,608	0	197	199	664	372	4,016
U of TX - Pan America	8,771	1,088	176	0	0	75	695	142	7,683
U Tex Hlth Sci Ctr Houstn	34,646	31,609	29,943	0	0	1,268	318	80	3,037
U Tex Hlth Sci Ctr S Anto	40,094	36,283	33,306	86	0	1,357	741	793	3,811
U Tex Med Brnch Galveston	23,503	21,652	20,404	0	0	507	276	465	1,851
U Tex Sw Med Ctr - Dallas	56,419	54,637	50,504	0	0	2,882	894	357	1,782
U TX MD Anderson Cntr Ctr	31,805	31,805	30,650	0	0	943	212	0	0
Univ of Mary Hardin-Baylr	951	0	0	0	0	0	0	0	951
Univ of North Texas	7,951	2,295	1,647	0	0	80	115	453	5,656
Univ of Tex at Arlington	9,003	2,072	1,929	0	0	143	0	0	6,931
Univ of Tex Permian Basin	634	0	0	0	0	0	0	0	634
Univ of Texas at Austin	109,480	109,231	93,401	0	0	2,025	320	13,485	249
Univ of Texas at Dallas	6,232	5,364	5,331	0	0	0	33	0	868
Univ of Texas at El Paso	13,153	5,515	4,488	0	0	257	595	175	7,638
Univ of Texas System Off	15,812	3,088	2,835	0	0	177	76	0	12,724
Univ Houstn Ctr Lake City	8,701	7,871	7,456	0	8	221	0	186	830

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Texas, cont'd									
University of Dallas	1,065	225	225	0	0	0	0	0	840
University of St Thomas	923	384	0	0	0	0	0	384	539
Wayland Baptist College	1,156	0	0	0	0	0	0	0	1,156
West Texas State Univ	2,516	0	0	0	0	0	0	0	2,516
Wiley College	1,893	113	113	0	0	0	0	0	1,780
Utah, total	203,344	135,140	122,880	51	84	2,997	1,274	7,854	#8,204
Brigham Young University	22,009	4,983	4,893	0	0	56	7	27	17,026
College of Eastern Utah	1,857	92	0	0	0	0	92	0	1,765
Dixie College	2,707	0	0	0	0	0	0	0	2,707
ITT Technical Institute	56	0	0	0	0	0	0	0	56
Salt Lake Community Col	5,941	0	0	0	0	0	0	0	5,941
Snow College	1,461	81	0	0	9	0	9	63	1,380
Southern Utah University	2,966	3	0	0	0	3	0	0	2,963
Stevens Henanger Col Bus	817	0	0	0	0	0	0	0	817
University of Utah	81,793	69,261	65,250	0	0	2,425	757	829	12,532
Utah State University	70,481	60,376	52,713	51	0	497	409	6,706	10,075
Utah Valley Comm Col	3,918	0	0	0	0	0	0	0	3,918
Weber State University	8,461	344	24	0	75	16	0	229	8,117
Westminster College (UT)	907	0	0	0	0	0	0	0	907
Vermont, total	52,601	36,732	31,687	359	92	1,053	335	3,206	15,869
Bennington College	546	0	0	0	0	0	0	0	546
Burlington College	400	40	0	0	0	0	40	0	360
Castleton State College	1,252	0	0	0	0	0	0	0	1,252
Champlain College	1,088	0	0	0	0	0	0	0	1,088
Cnty Col of Vermont	1,060	0	0	0	0	0	0	0	1,060
Col of St Joseph the Prov	292	0	0	0	0	0	0	0	292
Goddard College	293	0	0	0	0	0	0	0	293
Green Mountain College	338	0	0	0	0	0	0	0	338
Johnson State College	1,602	14	0	0	0	14	0	0	1,588
Lyndon State College	1,056	0	0	0	0	0	0	0	1,056
Marlboro College	244	0	0	0	0	0	0	0	244
Middlebury College	1,371	312	242	0	56	14	0	0	1,059
Norwich University	1,940	145	43	0	26	0	0	76	1,795
School for Intl Training	123	0	0	0	0	0	0	0	123
St Joseph Col (VT)	715	0	0	0	0	0	0	0	715
St Michael's College	793	0	0	0	0	0	0	0	793
Sterling Institute	32	0	0	0	0	0	0	0	32
Trinity Col (VT)	1,413	877	0	0	10	0	0	867	536
Univ of VT & St Agric Col	36,999	35,305	31,402	359	0	1,025	256	2,263	1,694
Vermont Law School	238	0	0	0	0	0	0	0	238
Vermont Technical College	806	39	0	0	0	0	39	0	767
Virginia, total	297,855	195,543	166,017	663	376	8,652	3,836	15,999	102,312
Averett College	593	22	0	0	22	0	0	0	571
Blue Ridge Community Col	162	0	0	0	0	0	0	0	162
Bluefield College	218	0	0	0	0	0	0	0	218
Bridgewater College	436	0	0	0	0	0	0	0	436
Central Virginia Cnty Col	506	0	0	0	0	0	0	0	506
College of William & Mary	7,740	6,729	5,157	0	100	22	819	631	1,011
Comm Hosp Roanoke Val Col	46	0	0	0	0	0	0	0	46
Commonwealth Coll, VA Sch	2,841	0	0	0	0	0	0	0	2,841
Commonwealth College	1,185	0	0	0	0	0	0	0	1,185
Dabney Lancaster Cnty Col	634	0	0	0	0	0	0	0	634
Danville Community Col	581	0	0	0	0	0	0	0	581
E Mennonite Coll & Sem	1,324	66	0	0	66	0	0	0	1,258
Eastern Shore Cnty Col	525	350	350	0	0	0	0	0	175
Eastern VA Medical School	7,288	6,332	6,089	0	0	21	222	0	956
Emory & Henry College	466	0	0	0	0	0	0	0	466
Ferrum College	877	0	0	0	0	0	0	0	877
George Mason University	8,043	5,001	3,789	0	0	55	425	732	3,042
Germanna Community Col	182	0	0	0	0	0	0	0	182
Hamden-Sydney College	347	62	54	0	8	0	0	0	285
Hampton University	11,808	6,541	5,094	0	34	755	500	158	5,267
Hollins College	282	0	0	0	0	0	0	0	282
J Sgt Reynolds Com Col	2,083	0	0	0	0	0	0	0	2,083
James Madison University	2,167	553	184	0	48	0	0	321	1,614
John Tyler Community Col	964	0	0	0	0	0	0	0	964
Liberty University	4,664	0	0	0	0	0	0	0	4,664
Longwood College	1,070	107	35	0	0	0	0	72	963
Lord Fairfax Cnty College	548	0	0	0	0	0	0	0	548
Lynchburg College	688	114	0	0	0	0	114	0	574
Mary Baldwin College	454	12	12	0	0	0	0	0	442
Mary Washington College	703	0	0	0	0	0	0	0	703
Marymount Col of Virginia	384	3	0	0	0	3	0	0	381
Mountain Empire Cnty Col	1,813	25	25	0	0	0	0	0	1,788

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non- science and engi- neering
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainees, and training grants	General support science and engi- neering	Other science and engi- neering	
Virginia, cont'd									
National Business College	1,721	0	0	0	0	0	0	0	1,721
New River Community Col	1,519	0	0	0	0	0	0	0	1,519
Norfolk State University	8,590	691	205	0	0	249	237	0	7,899
Northern VA Community Col	1,948	0	0	0	0	0	0	0	1,948
Old Dominion University	11,095	6,568	6,193	0	0	359	5	11	4,527
Patrick Henry Cmty Col	722	0	0	0	0	0	0	0	722
Paul D Camp Cmty College	533	0	0	0	0	0	0	0	533
Piedmont VA Community Col	533	0	0	0	0	0	0	0	533
Radford University	2,263	24	0	0	24	0	0	0	2,239
Randolph-Macon College	222	0	0	0	0	0	0	0	222
Randolph-Macon Womens Col	262	5	0	0	5	0	0	0	257
Rappahannock Cmty College	160	0	0	0	0	0	0	0	160
Roanoke College	674	58	0	0	15	0	43	0	616
Shenandoah University	562	0	0	0	0	0	0	0	562
Southern Seminary Jr Col	149	0	0	0	0	0	0	0	149
Southside VA Cmty College	901	101	101	0	0	0	0	0	800
Southwest VA Cmty Col	2,509	0	0	0	0	0	0	0	2,509
St Paul's Col (VA)	1,335	0	0	0	0	0	0	0	1,335
Sweet Briar College	227	54	0	0	54	0	0	0	173
Thomas Nelson Cmty Col	1,763	15	15	0	0	0	0	0	1,748
Tidewater Community Col	2,829	371	371	0	0	0	0	0	2,458
University of Richmond	990	423	346	0	0	0	77	0	567
University of Virginia	72,701	66,690	60,796	90	0	4,627	627	550	6,011
Virginia College	18	18	0	0	0	18	0	0	0
Virginia Commonwealth Univ	52,409	45,376	42,678	0	0	1,711	388	599	7,033
Virginia Intarmont Col	485	0	0	0	0	0	0	0	485
Virginia Military Inst	457	25	25	0	0	0	0	0	432
Virginia State University	10,172	4,824	2,205	0	0	155	199	2,265	5,348
Virginia Union University	2,890	57	0	0	0	0	0	57	2,833
Virginia Wesleyan College	534	0	0	0	0	0	0	0	534
Virginia Western Comm Col	1,077	0	0	0	0	0	0	0	1,077
VA Highlands Cmty College	1,017	0	0	0	0	0	0	0	1,017
VA Polytech Inst & St U	51,111	44,248	32,239	573	0	677	156	10,603	6,863
Washington & Lee Univ	318	78	54	0	0	0	24	0	240
Wytheville Community Col	1,737	0	0	0	0	0	0	0	1,737
Washington, total	376,900	278,348	240,010	3,726	411	14,101	3,250	16,850	98,552
Art Institute of Seattle									
Art Institute of Seattle	1,138	0	0	0	0	0	0	0	1,138
Bellevue Community Col	1,124	0	0	0	0	0	0	0	1,124
Big Bend Community Col	775	0	0	0	0	0	0	0	775
Central Washington Univ	3,671	284	0	0	0	0	86	198	3,387
Centralia College	1,385	0	0	0	0	0	0	0	1,385
City College	262	0	0	0	0	0	0	0	262
Clark College	1,659	0	0	0	0	0	0	0	1,659
Cogswell College North	4	0	0	0	0	0	0	0	4
Columbia Basin College	1,473	83	0	0	0	0	0	83	1,390
Eastern Washington Univ	6,257	432	295	0	49	7	81	0	5,825
Edmonds Community College	972	0	0	0	0	0	0	0	972
Everett Community College	1,245	1	0	0	0	1	0	0	1,244
Evergreen State College	2,560	268	259	0	0	9	0	0	2,292
Fort Steilacoom Cmty Col	794	0	0	0	0	0	0	0	794
Gonzaga University	4,124	1,404	184	598	50	52	95	425	2,720
Greys Harbor College	848	0	0	0	0	0	0	0	848
Green River Cmty College	2,111	0	0	0	0	0	0	0	2,111
Griffin College	1,534	0	0	0	0	0	0	0	1,534
Heritage College	1,059	373	25	0	0	7	260	81	686
John Bastyr Col Med	63	0	0	0	0	0	0	0	63
Lower Columbia College	1,087	0	0	0	0	0	0	0	1,087
NW Col Assemblies of God	372	0	0	0	0	0	0	0	372
Olympic College	1,239	0	0	0	0	0	0	0	1,239
Pacific Lutheran Univ	2,094	67	0	0	39	28	0	0	2,027
Puget Snd Christian Col	64	0	0	0	0	0	0	0	64
Seattle Community College	6,774	689	0	0	0	2	74	613	6,085
Seattle Pacific Univ	1,807	31	24	0	7	0	0	0	1,776
Seattle University	2,592	368	0	0	0	0	0	368	2,224
Shoreline Community Col	1,191	0	0	0	0	0	0	0	1,191
So Puget Sound Cmty Col	951	0	0	0	0	0	0	0	951
Spokane Community College	4,090	50	0	0	0	0	50	0	4,040
Spokane Falls Cmty Col	2,153	8	8	0	0	0	0	0	2,145
St Martin's College	567	5	0	0	0	5	0	0	562
Tacoma Community College	1,919	8	0	0	0	8	0	0	1,911
University of Puget Sound	2,628	247	103	0	0	3	0	141	2,381
University of Washington	263,025	243,774	217,291	1,083	0	13,579	2,267	9,554	19,251
Walla Walla College	1,486	25	25	0	0	0	0	0	1,461
Walla Walla Community Col	1,556	2	0	0	0	2	0	0	1,554
Washington State Univ	36,685	28,556	20,550	2,045	0	395	271	5,295	8,129
Wenatchee Valley Col	967	0	0	0	0	0	0	0	967
Western Washington Univ	5,539	1,535	1,210	0	230	3	0	92	4,004
Whatcom Community College	651	0	0	0	0	0	0	0	651

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activi- ties	Academic science and engineering							Non- science and engi- neering	
		Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering	Other science and engi- neering		
Washington, cont'd										
Whitman College	728	72	36	0	36	0	0	0	656	
Whitworth College	1,512	66	0	0	0	0	66	0	1,446	
Yakima Valley Cmty Col	2,165	0	0	0	0	0	0	0	2,165	
West Virginia, total	71,867	32,062	22,240	1,437	35	1,166	353	6,831	39,805	
Alderson Broaddus College	1,013	0	0	0	0	0	0	0	1,013	
Appalachian Bible College	162	0	0	0	0	0	0	0	162	
Beckley College	2,043	958	958	0	0	0	0	0	1,085	
Bethany College (WV)	1,050	89	89	0	0	0	0	0	961	
Bluefield State College	2,571	50	50	0	0	0	0	0	2,521	
Davis & Elkins College	1,230	0	0	0	0	0	0	0	1,230	
Fairmont State College	2,543	33	33	0	0	0	0	0	2,510	
Glenville State College	1,412	0	0	0	0	0	0	0	1,412	
Huntington Jr College	666	0	0	0	0	0	0	0	666	
Marshall University	7,183	1,811	1,600	0	0	0	211	0	5,372	
Mountain State College	280	0	0	0	0	0	0	0	280	
Ohio Valley College	282	0	0	0	0	0	0	0	282	
Potomac St Col of WVA Un	663	0	0	0	0	0	0	0	663	
Salem College	1,139	0	0	0	0	0	0	0	1,139	
Shepherd College	768	74	74	0	0	0	0	0	694	
Southern W VA Cmty Col	1,141	85	0	0	0	0	0	85	1,056	
U WV Col Graduate Studies	3	0	0	0	0	0	0	3	0	
University of Charleston	654	0	0	0	0	0	0	0	654	
W VA Northern Cmty Col	1,827	475	0	0	0	0	0	475	1,352	
W VA Schl Osteopathic Med	175	13	0	0	0	13	0	0	162	
West Liberty State Col	4,433	244	0	0	0	0	68	176	4,189	
West Virginia Inst Tech	1,833	24	0	0	24	0	0	0	1,809	
West Virginia State Col	251	251	242	0	0	9	0	0	0	
West Virginia University	35,520	26,943	19,194	1,437	0	1,144	74	5,094	8,577	
West Virginia Wesleyan Col	1,015	11	0	0	11	0	0	0	1,004	
Wheeling College	2,010	1,001	0	0	0	0	0	1,001	1,009	
Wisconsin, total	332,004	225,648	198,712	2,879	602	9,099	2,626	11,730	106,356	
Alverno College	1,185	12	0	0	0	3	9	0	1,173	
Bellini Coll of Nursing	32	0	0	0	0	0	0	0	32	
Beloit College	1,008	192	133	0	59	0	0	0	816	
Cardinal Stritch College	626	0	0	0	0	0	0	0	626	
Carroll College (WI)	1,265	49	0	0	28	21	0	0	1,216	
Carthage College	791	24	0	0	24	0	0	0	767	
Concordia University, WI	703	0	0	0	0	0	0	0	703	
Edgewood College	396	0	0	0	0	0	0	0	396	
Gateway Technical Inst	2	2	0	0	0	2	0	0	0	
Inst of Paper Sci & Tech	1,112	1,112	1,112	0	0	0	0	0	0	
Lac Courte Oreilles Objwa	369	0	0	0	0	0	0	0	369	
Lakeland College	742	0	0	0	0	0	0	0	742	
Lawrence University	918	223	165	0	58	0	0	0	695	
Maranatha Baptist Bible C	267	0	0	0	0	0	0	0	267	
Marian Col of Fond Du Lac	640	0	0	0	0	0	0	0	640	
Marquette University	10,491	3,015	2,871	0	0	123	21	0	7,476	
Medical College of Wis	22,918	22,267	21,747	0	0	332	188	0	651	
Milwaukee Area Tech Col	5,997	0	0	0	0	0	0	0	5,997	
Milwaukee Inst Art & Dsgn	253	0	0	0	0	0	0	0	253	
Milwaukee School of Eng	1,471	92	0	0	92	0	0	0	1,379	
Milwaukee Stratton Col	540	0	0	0	0	0	0	0	540	
Mount Mary College	594	7	0	0	0	7	0	0	587	
Mount Senario College	893	0	0	0	0	0	0	0	893	
North Central Tech Inst	1,953	0	0	0	0	0	0	0	1,953	
Northland College	1,192	21	0	0	11	10	0	0	1,171	
Northwestern Col (WI)	121	0	0	0	0	0	0	0	121	
Ripon College	741	103	0	0	103	0	0	0	638	
Silver Lake College	398	0	0	0	0	0	0	0	398	
St Norbert College	1,254	28	14	0	14	0	0	0	1,226	
Univ of Wis-Center System	515	515	515	0	0	0	0	0	0	
Univ of Wis-Eau Claire	6,886	235	60	0	33	0	0	142	6,651	
Univ of Wis-Green Bay	2,768	224	224	0	0	0	0	0	2,544	
Univ of Wis-La Crosse	4,449	175	46	0	0	0	0	129	4,274	
Univ of Wis-Madison	183,443	177,092	155,175	2,879	0	7,436	2,093	9,509	6,351	
Univ of Wis-Milwaukee	17,279	8,101	7,625	0	0	349	48	79	9,178	
Univ of Wis-Oshkosh	4,749	135	88	0	47	0	0	0	4,614	
Univ of Wis-Parkside	2,561	379	379	0	0	0	0	0	2,182	
Univ of Wis-Platteville	3,392	17	0	0	17	0	0	0	3,375	
Univ of Wis-River Falls	2,967	386	386	0	0	0	0	0	2,581	
Univ of Wis-Stevens Point	6,256	282	191	0	63	28	0	0	5,974	
Univ of Wis-Stout	5,528	738	673	0	15	0	0	50	4,790	
Univ of Wis-Superior	2,381	479	479	0	0	0	0	0	1,902	
Univ of Wis-Whitewater	4,759	641	43	0	0	0	181	417	4,118	
Univ of Wisconsin Sys Off	21,780	9,064	6,786	0	0	788	86	1,404	12,716	
Viterbo College	1,131	25	0	0	25	0	0	0	1,106	

See explanatory material, if any, and SOURCE, at end of table.

Table C-16. Federal obligations to universities and colleges, by State, institution, and type of activity: fiscal year 1990

[Dollars in thousands]

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State and institution	Total, all activities	Academic science and engineering							Non-science and engineering
		Total academic science and engineering	Research development	R&D plant 1/	Facilities for instruction in science and eng.	Fellowships, traineeships, and training grants	General support science and engineering	Other science and engineering	
Wisconsin, cont'd									
Western Wisc Tech Inst	2,146	13	0	0	13	0	0	0	2,133
Wisconsin Lutheran Col	142	0	0	0	0	0	0	0	142
Wyoming, total	19,944	11,072	9,731	0	0	46	36	2,059	8,072
Northwest College	30	30	30	0	0	0	0	0	0
University of Wyoming	18,721	11,018	9,677	0	0	46	36	2,059	6,903
Western Wyoming Cmty Col	16	16	16	0	0	0	0	0	0
Wyoming Technical Instit.	1,169	0	0	0	0	0	0	0	1,169
Guam, total	4,160	3,091	1,320	0	0	0	211	1,560	1,059
Guam Community College	236	0	0	0	0	0	0	0	236
University of Guam	3,914	3,091	1,320	0	0	0	211	1,560	823
Puerto Rico, total	249,379	33,264	18,000	0	129	1,203	5,414	8,518	216,115
American Univ Puerto Rico	7,060	132	0	0	0	0	0	132	7,228
Antillian College	1,496	0	0	0	0	0	0	0	1,496
Atlantic College	619	0	0	0	0	0	0	0	619
Bayamon Central Univ	5,751	0	0	0	0	0	0	0	5,751
Bayamon Tech Univ College	182	0	0	0	0	0	0	0	182
Caribbean University	5,725	0	0	0	0	0	0	0	5,725
Catholic Univ of P R	22,536	315	0	0	0	164	151	0	22,221
Center Adv Stud Pr&Carib	4	0	0	0	0	0	0	0	4
Colagio Bib Pentecostl PR	121	0	0	0	0	0	0	0	121
Conserv of Music of P R	134	0	0	0	0	0	0	0	134
Huertas Junior College	3,175	0	0	0	0	0	0	0	3,175
Inter Am U Pr-Ctrl Off	1,063	454	0	0	100	0	106	170	627
Inter Am U Pr-San German	41,380	386	0	0	29	0	263	94	40,994
Polytech Univ of P R	4,405	0	0	0	0	0	0	0	4,405
Ponce School of Medicine	3,096	2,815	2,181	0	0	0	634	0	281
Puerto Rico Jr Col	38,302	0	0	0	0	0	0	0	38,302
Turabo University College	7,199	0	0	0	0	0	0	0	7,199
U of P R System Off	3,247	2,905	2,878	0	0	0	0	27	342
U Ctr'l Del Caribe Esc Med	459	391	359	0	0	32	0	0	68
U P R - Carolina Reg Col	364	0	0	0	0	0	0	0	364
U P R - Regional Col Admn	59,640	373	373	0	0	0	0	0	59,267
Un of Pr Ponce Tech Univ	29	0	0	0	0	0	0	0	29
Un of PR Arecibo Tech Un	353	0	0	0	0	0	0	0	353
Univ of the Sacred Heart	9,748	175	39	0	0	0	0	136	9,573
Univ of P R-Cayey U Col	668	207	0	0	0	0	207	0	461
Univ of P R-Humacao U Col	1,006	551	13	0	0	119	419	0	455
Univ of P R-Mayaguez	14,642	14,268	6,248	0	0	84	424	7,512	374
Univ of P R-Med Sci Campus	9,620	6,954	5,691	0	0	162	1,101	0	2,666
Univ of P R-Rio Piedras	3,358	2,948	218	0	0	642	2,029	59	410
Universidad Metropolitana	3,308	388	0	0	0	0	0	388	2,920
American Samoa, total	1,555	1,223	592	0	25	0	60	546	332
American Samoa Cmty Col	1,555	1,223	592	0	25	0	60	546	332
Virgin Islands, total	3,299	2,058	1,053	0	0	0	230	775	1,241
U of the Virgin Islands	3,299	2,058	1,053	0	0	0	230	775	1,241
Trust Territory Pac Isl, total	5,393	1,835	829	0	0	0	0	1,006	3,558
Cmty Col of Micronesia	2,601	841	304	0	0	0	0	537	1,760
Micronesian Occup College	1,641	0	0	0	0	0	0	0	1,641
No Marianas College	1,151	994	525	0	0	0	0	469	157

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	15,204,563	769,763	115,640	1,342,190	4,656,709	572,562	93,622	5,506,001	74,570	511,250	1,445,079	117,161
Alabama, total	277,316	21,721	335	12,926	116,833	2,786	433	87,702	830	24,250	7,408	2,092
Al Christian Schl of Belg	53	0	0	0	53	0	0	0	0	0	0	0
Ala Avn and Tech College	220	0	0	0	0	0	0	0	0	0	220	0
Alabama A & M University	12,449	3,854	0	458	5,207	215	33	357	0	1,008	1,269	0
Alabama State University	7,317	0	0	0	8,857	0	0	460	0	0	0	0
Alexander City St Jr Col	32	0	0	0	32	0	0	0	0	0	0	0
Athens State College	995	0	0	0	995	0	0	0	0	0	0	0
Auburn University	30,497	13,708	82	2,782	5,600	1,442	375	510	548	3,052	1,060	1,330
Birmingham Southern Col	801	0	0	0	677	0	0	0	0	0	124	0
Bishop St Comm Col	2,177	0	0	0	2,034	0	0	143	0	0	0	0
Brewer State Junior Col	867	0	0	0	867	0	0	0	0	0	0	0
C A Friede State Tech Coll	718	0	0	0	718	0	0	0	0	0	0	0
Carver State Tech College	1,271	0	0	0	1,271	0	0	0	0	0	0	0
Chattahoochee Val St CC	389	0	0	0	389	0	0	0	0	0	0	0
Chauncey Sparks St Tech	659	0	0	0	659	0	0	0	0	0	0	0
Concordia College	1,254	0	0	0	1,254	0	0	0	0	0	0	0
Douglas MacArthur St Te C	728	0	0	0	728	0	0	0	0	0	0	0
Draughon's Junior College	298	0	0	0	298	0	0	0	0	0	0	0
Enterprise State JC	1,347	0	0	0	1,347	0	0	0	0	0	0	0
Faulkner State Junior Col	1,457	0	0	0	1,457	0	0	0	0	0	0	0
Faulkner University	1,229	0	0	0	1,229	0	0	0	0	0	0	0
G C Wallace St C C Dothan	1,123	0	0	0	1,123	0	0	0	0	0	0	0
G C Wallace St CC Selma	866	0	0	0	866	0	0	0	0	0	0	0
Gadsden Jr Comm College	2,285	0	0	0	2,285	0	0	0	0	0	0	0
Huntingdon College	422	0	0	0	422	0	0	0	0	0	0	0
J F Drake St Tech	738	0	0	0	738	0	0	0	0	0	0	0
Jacksonville State Univ	3,657	0	0	0	3,567	0	0	0	0	0	90	0
Jefferson Davis St Jr Col	705	0	0	0	705	0	0	0	0	0	0	0
Jefferson State Comm Coll	3,056	0	0	0	3,056	0	0	0	0	0	0	0
Judson College	194	0	0	0	194	0	0	0	0	0	0	0
Lawson State Cmty College	2,249	0	0	0	2,249	0	0	0	0	0	0	0
Livingston University	1,460	0	0	0	1,426	0	0	0	0	0	34	0
Lurleen B Wallace St Jr C	1,072	0	0	0	1,072	0	0	0	0	0	0	0
Marion Military Institute	216	0	0	0	216	0	0	0	0	0	0	0
Miles College	1,984	0	0	0	1,984	0	0	0	0	0	0	0
Mobile College	815	0	0	0	809	0	0	0	0	0	6	0
N F Munnally St Tech C	231	0	0	0	231	0	0	0	0	0	0	0
National Inst of Tech	93	0	0	0	93	0	0	0	0	0	0	0
Northeast Ala St Jr Col	807	0	0	0	807	0	0	0	0	0	0	0
Northwest AL Comm Coll	1,698	0	0	0	1,698	0	0	0	0	0	0	0
Oakwood College	2,358	0	0	0	2,178	0	0	180	0	0	0	0
Patrick Henry St Jr Col	665	0	0	0	665	0	0	0	0	0	0	0
R.E.T.S. Electronic Inst	819	0	0	0	819	0	0	0	0	0	0	0
Samford University	1,200	0	0	0	1,184	0	0	16	0	0	0	0
Selma University	1,657	24	0	0	1,153	116	0	364	0	0	0	0
Shelton State Cmty Col	2,025	0	0	0	2,025	0	0	0	0	0	0	0
Shoals Community College	1,067	0	0	0	1,067	0	0	0	0	0	0	0
Snead State Junior Col	589	0	0	0	589	0	0	0	0	0	0	0
Southeastern Bible Col	93	0	0	0	93	0	0	0	0	0	0	0
Southern Junior College	3,067	0	0	0	3,067	0	0	0	0	0	0	0
Southern Technical Coll	398	0	0	0	398	0	0	0	0	0	0	0
Southern Union St Jr Col	1,017	0	0	0	1,017	0	0	0	0	0	0	0
Southwest St Tech Col	709	0	0	0	709	0	0	0	0	0	0	0
Spring Hill College	2,318	0	0	0	2,318	0	0	0	0	0	0	0
Stillman College	3,105	0	0	0	2,818	0	0	287	0	0	0	0
Talladega College	2,722	0	0	0	2,346	0	0	337	0	0	39	0
The University of Alabama	11,526	30	169	0	7,109	784	25	973	282	1,040	976	138
Trenholm St Tech Col	1,442	0	0	0	1,442	0	0	0	0	0	0	0
Troy St U-Dothan-Ft Rucke	109	0	0	0	109	0	0	0	0	0	0	0
Troy St U-Montgomery	313	0	0	0	313	0	0	0	0	0	0	0
Troy St Univ Main Campus	3,180	0	0	0	3,135	0	0	41	0	0	0	0
Tuskegee University	16,610	3,815	0	693	6,963	184	0	4,103	0	452	400	0
Univ of Alabama Sys Off	1	1	0	0	0	0	0	0	0	0	0	0
Univ of North Alabama	2,385	0	0	0	2,385	0	0	0	0	0	0	0
Univ of South Alabama	12,954	14	84	91	5,103	45	0	7,373	0	0	244	0
Univ Alabama Birmingham	88,925	275	0	5,106	5,266	0	0	72,188	0	3,074	2,392	624
Univ Alabama Huntsville	21,469	0	0	3,796	1,133	0	0	362	0	15,624	554	0
University of Montevallo	1,562	0	0	0	1,562	0	0	0	0	0	0	0
Walker College	560	0	0	0	560	0	0	0	0	0	0	0
Walker State Tech C	1,254	0	0	0	1,254	0	0	0	0	0	0	0
Wallace St CC-Hanceville	2,788	0	0	0	2,788	0	0	0	0	0	0	0
Alaska, total	33,247	2,553	3,961	270	6,428	1,092	100	766	547	7,682	9,848	0
Alaska Bible College	10	0	0	0	10	0	0	0	0	0	0	0
Alaska Business College	534	0	0	0	534	0	0	0	0	0	0	0
Alaska Pacific University	246	0	0	0	232	0	0	1	33	0	0	0
Sheldon Jackson College	317	0	0	0	317	0	0	0	0	0	0	0
Univ of Alaska Anchorage	4,788	2	1,529	5	2,876	0	0	362	14	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Alaska, cont'd												
Univ of Alaska Fairbanks	24,256	1,259	933	265	2,278	1,092	100	403	396	7,682	9,848	0
Univ of Alaska Southeast	1,804	0	1,499	0	201	0	0	0	104	0	0	0
Univ of Alaska System Off	1,292	1,292	0	0	0	0	0	0	0	0	0	0
Arizona, total	175,490	6,038	360	11,320	42,756	3,821	625	56,036	5,942	20,987	26,304	1,301
Amer Grad Sch Intl Managem	245	0	0	0	245	0	0	0	0	0	0	0
American Indian Bible Ins	148	0	0	0	148	0	0	0	0	0	0	0
Arizona Col of the Bible	113	0	0	0	113	0	0	0	0	0	0	0
Arizona State University	36,079	51	20	3,256	15,450	1,369	216	5,316	37	1,983	7,979	402
Central Arizona College	16	0	0	0	0	0	0	7	0	0	0	0
Eastern Arizona College	1,300	0	0	0	1,293	0	0	0	0	0	0	0
Glendale Community Col	1	0	0	0	0	0	0	1	0	0	0	0
Grand Canyon University	1,673	0	0	0	1,657	0	0	16	0	0	0	0
ITT Tech Inst - Phoenix	104	0	0	0	104	0	0	0	0	0	0	0
ITT Tech Inst - Tucson	57	0	0	0	57	0	0	0	0	0	0	0
Maricopa Co C C Sys Off	800	0	0	0	0	0	0	0	0	0	800	0
Maricopa Tech Cmty Col	2	0	0	0	0	0	0	2	0	0	0	0
Mesa Community College	3	0	0	0	0	0	0	3	0	0	0	0
Navajo Community College	4,908	0	0	0	0	0	0	119	4,789	0	0	0
Northern Arizona Univ	11,220	139	50	8,222	0	0	0	641	421	226	1,515	0
Northland Pioneer College	768	0	0	767	0	0	0	1	0	0	0	0
Phoenix College	15	0	0	0	0	0	0	15	0	0	0	0
Prescott College	494	0	0	0	494	0	0	0	0	0	0	0
South Mountain Cmty Col	1,080	0	0	0	1,080	0	0	0	0	0	0	0
SW Con Baptist Bible Coll	117	0	0	0	117	0	0	0	0	0	0	0
Univ & St Col of Ariz S O	86	86	0	0	0	0	0	0	0	0	0	0
University of Arizona	115,217	5,762	290	8,058	11,965	2,452	409	49,915	695	18,778	15,994	899
University of Phoenix	892	0	0	0	892	0	0	0	0	0	0	0
Western International U	152	0	0	0	152	0	0	0	0	0	0	0
Arkansas, total	100,948	16,806	350	729	65,691	1,125	106	10,712	171	204	1,926	3,048
Arkansas Baptist College	812	0	0	0	812	0	0	0	0	0	0	0
Arkansas College	949	0	0	0	917	0	0	0	0	0	32	0
Arkansas College of Tech	175	0	0	0	175	0	0	0	0	0	0	0
Arkansas State University	14,577	0	100	0	14,320	72	0	14	0	22	0	49
Arkansas Tech University	3,124	1	0	0	2,285	839	0	0	0	0	0	0
Capital City Junior Col	954	0	0	0	954	0	0	0	0	0	0	0
Central Baptist College	159	0	0	0	159	0	0	0	0	0	0	0
College of the Ozarks	759	0	0	0	759	0	0	0	0	0	0	0
Crowley's Ridge College	151	0	0	0	151	0	0	0	0	0	0	0
East Ark Cmty Col	1,140	0	0	0	1,140	0	0	0	0	0	0	0
Garland Co Cmty Col	976	0	0	0	976	0	0	0	0	0	0	0
Harding University	2,277	0	0	0	2,277	0	0	0	0	0	0	0
Henderson State Univ	2,666	0	0	0	2,607	0	0	0	0	0	59	0
Hendrix College	625	0	0	0	584	0	0	0	0	0	41	0
John Brown University	610	0	0	0	609	0	0	1	0	0	0	0
Quachita Baptist Univ	1,424	0	0	77	1,347	0	0	0	0	0	0	0
Philander Smith College	2,068	0	0	0	1,940	0	0	128	0	0	0	0
Phillips County Cmty Col	1,433	0	0	0	1,433	0	0	0	0	0	0	0
Shorter College	527	0	0	0	527	0	0	0	0	0	0	0
Southern Arkansas Univ	2,936	15	0	0	2,921	0	0	0	0	0	0	0
U of Ark at Monticello	2,053	0	0	0	2,053	0	0	0	0	0	0	0
U of Arkansas Med Sci Cam	9,285	0	0	0	597	0	0	8,680	0	0	0	0
Univ of Ark Fayetteville	22,730	6,540	250	417	9,426	215	180	1,001	16	141	1,543	2,999
Univ of Ark Little Rock	11,868	7,058	0	145	3,964	0	0	303	134	41	243	0
Univ of Ark Pine Bluff	9,879	3,192	0	90	6,017	0	0	553	21	0	0	0
Univ of Central Arkansas	4,745	0	0	0	4,735	0	0	30	0	0	0	0
Westark Community College	1,314	0	0	0	1,312	0	0	2	0	0	0	0
Williams Baptist College	692	0	0	0	692	0	0	0	0	0	0	0
California, total	1,728,020	25,972	5,689	161,810	273,576	87,158	6,085	602,384	11,209	120,759	226,613	6,765
Academy of Art	552	0	0	0	552	0	0	0	0	0	0	0
American Conserv Theatre	104	0	0	0	104	0	0	0	0	0	0	0
Art Ctr Col of Design	1,082	0	0	0	1,082	0	0	0	0	0	0	0
Art Inst of South Calif	70	0	0	0	70	0	0	0	0	0	0	0
Azusa Pacific University	1,299	0	0	0	976	0	0	323	0	0	0	0
Barstow College	378	0	0	0	378	0	0	0	0	0	0	0
Bethany Bible College	377	0	0	0	377	0	0	0	0	0	0	0
Biola University	1,010	0	0	0	1,010	0	0	0	0	0	0	0
Brooks Institute	289	0	0	0	289	0	0	0	0	0	0	0
Cal Col of Podiatric Med	323	0	0	0	298	0	0	25	0	0	0	0
Cal Inst Integral Studies	30	0	0	0	30	0	0	0	0	0	0	0
Cal Poly St U San Luis Ob	7,979	27	0	0	6,705	0	64	90	20	323	750	0
Cal Sch Prof Psych-Berkly	829	0	0	0	829	0	0	0	0	0	0	0
Cal Sch Prof Psych-Fresno	12	0	0	0	0	0	0	12	0	0	0	0
Cal St U - San Bernardino	2,521	0	0	0	2,499	0	0	0	0	0	22	0
Cal St U Dominguez Hills	2,750	0	0	0	1,989	0	0	347	0	0	414	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges.
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Cal Western School of Law	243	0	0	0	243	0	0	0	0	0	0	0
Calif Inst of the Arts	543	0	0	0	543	0	0	0	0	0	0	0
Calif St Poly Univ Pomona	6,148	30	0	0	5,524	0	0	0	0	15	510	69
Calif St U Bakersfield	2,041	0	0	0	1,994	14	0	3	0	0	30	0
Calif St Univ Fullerton	1,980	0	0	0	124	43	0	354	0	34	1,425	0
Calif St Univ Hayward	2,940	0	0	0	2,745	20	0	0	0	90	85	0
Calif St Univ Long Beach	9,426	0	0	457	6,365	0	100	1,442	25	108	849	0
Calif St Univ Los Angeles	12,128	0	0	0	7,012	14	0	3,502	0	15	1,585	0
Calif St Univ Northridge	8,359	0	0	0	6,918	74	0	533	0	482	352	0
Calif St Univ Sacramento	6,275	0	0	0	5,943	180	0	0	0	0	152	0
Calif State Univ Chico	2,231	0	0	0	2,211	0	0	1	0	0	19	0
Calif State Univ Fresno	7,218	0	100	0	7,034	0	0	6	0	0	78	0
California Baptist Col	6,430	46	0	0	6,202	0	0	143	0	0	39	0
California Baptist Col	462	0	0	0	462	0	0	0	0	0	0	0
California Inst of Tech	77,647	0	90	10,872	0	9,376	314	17,117	1,501	9,646	28,731	0
California Lutheran Col	822	0	0	0	822	0	0	0	0	0	0	0
California Maritime Acad	305	0	0	0	305	0	0	0	0	0	0	0
Canada College	508	0	0	0	508	0	0	0	0	0	0	0
Carritos College	1,567	0	0	0	1,567	0	0	0	0	0	0	0
Cerro Coso Comm College	265	0	0	0	265	0	0	0	0	0	0	0
Chapman College	1,591	0	0	0	1,591	0	0	0	0	0	0	0
Charles R. Drew Med&Sci	6,251	0	0	0	5,500	0	0	5,751	0	0	0	0
Christian Heritage Coll	274	0	0	0	274	0	0	0	0	0	0	0
Church Div School Pacific	14	0	0	0	14	0	0	0	0	0	0	0
Claremont McKenna College	478	0	0	0	478	0	0	0	0	0	0	0
Claremont U Ctr & Grad Sc	130	0	0	2	109	0	0	0	0	0	19	0
Cleveland Chiropractic C	136	0	0	0	136	0	0	0	0	0	0	0
Cogswell Polytech Coll	61	0	0	0	61	0	0	0	0	0	0	0
Col Osteo Med of Pacific	1,019	0	0	0	281	0	0	728	0	0	0	0
College of the Siskiyous	471	0	0	0	471	0	0	0	0	0	0	0
College of Notre Dame	270	0	0	0	270	0	0	0	0	0	0	0
College of Oceanography	488	0	0	0	488	0	0	0	0	0	0	0
Ctr for Early Education	12	0	0	0	12	0	0	0	0	0	0	0
Cypress College	938	0	0	0	938	0	0	0	0	0	0	0
D-Q University	492	0	0	0	215	0	0	0	277	0	0	0
Dominican Col San Rafael	273	0	0	0	273	0	0	0	0	0	0	0
Don Bosco Technical Inst	65	0	0	0	65	0	0	0	0	0	0	0
East Los Angeles College	4	0	0	0	0	0	0	4	0	0	0	0
Evergreen Valley College	71	0	0	0	0	0	0	0	0	0	71	0
Fashion Inst-Design & Mer	2,605	0	0	0	2,605	0	0	0	0	0	0	0
Five Colleges Inc.	44	0	0	0	0	0	0	0	0	0	44	0
Foothill College	1,500	0	0	0	0	0	0	0	0	1,500	0	0
Foothill-Deanza CC Sys Of	288	0	0	0	0	0	0	2	0	286	0	0
Fresno City College	3,648	0	0	0	3,648	0	0	0	0	0	0	0
Fresno Pacific College	471	0	0	0	471	0	0	0	0	0	0	0
Fuller Theological Sem	64	0	0	0	64	0	0	0	0	0	0	0
Golden Gate University	493	0	0	0	493	0	0	0	0	0	0	0
Golden West College	93	0	0	0	0	0	0	0	0	0	93	0
Graduate Theol Union	56	0	0	0	56	0	0	0	0	0	0	0
Grossmont College	1	0	0	0	0	0	0	1	0	0	0	0
Harvey Mudd College	1,086	0	0	0	829	0	0	0	0	0	257	0
Heald Bus Coll Rohmrt Pk	177	0	0	0	177	0	0	0	0	0	0	0
Heald Business College	107	0	0	0	107	0	0	0	0	0	0	0
Heald C-San Francisco	1,006	0	0	0	1,006	0	0	0	0	0	0	0
Heald C-Walnut Creek	259	0	0	0	259	0	0	0	0	0	0	0
Heald College-Oakland	154	0	0	0	154	0	0	0	0	0	0	0
Heald College-San Jose	139	0	0	0	139	0	0	0	0	0	0	0
Heald Inst Tech	154	0	0	0	154	0	0	0	0	0	0	0
Heald Inst Tech-San Fran	620	0	0	0	620	0	0	0	0	0	0	0
Holy Names College	253	0	0	0	253	0	0	0	0	0	0	0
Humboldt State University	863	416	0	0	202	0	0	2	191	45	7	0
Humphreys College	281	0	0	0	281	0	0	0	0	0	0	0
ITT Tech Inst-Buena Park	65	0	0	0	65	0	0	0	0	0	0	0
ITT Tech Inst-Van Nuys	70	0	0	0	70	0	0	0	0	0	0	0
ITT Tech Inst-West Cva	151	0	0	0	151	0	0	0	0	0	0	0
John F Kennedy University	271	0	0	0	271	0	0	0	0	0	0	0
L A City Jr Col Dist S O	321	0	0	0	0	0	0	321	0	0	0	0
L.I.F.E. Bible College	200	0	0	0	200	0	0	0	0	0	0	0
Lassen College	659	0	0	0	659	0	0	0	0	0	0	0
Loma Linda University	5,097	0	0	0	2,025	0	0	2,957	0	0	115	0
Long Beach City College	3,315	0	0	0	3,315	0	0	0	0	0	0	0
Los Angeles Bapt Col&Sem	413	0	0	0	413	0	0	0	0	0	0	0
Los Angeles Valley Col	690	0	0	0	690	0	0	0	0	0	0	0
Louise Salinger Academy	29	0	0	0	29	0	0	0	0	0	0	0
Loyola Marymount Univ	2,554	0	0	0	2,471	0	0	0	0	0	83	0
Manor Fashion Institute	20	0	0	0	20	0	0	0	0	0	0	0
Marymount Palos Verde	248	0	0	0	248	0	0	0	0	0	0	0
Merritt College	176	0	0	0	0	0	0	176	0	0	0	0
Mills College	1,008	0	0	0	916	0	0	0	0	0	92	0
Mission College	344	0	0	0	344	0	0	0	0	0	0	0

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Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Monterey Inst Intl Study	19	0	0	0	0	0	0	0	0	0	19	0
Monterey Peninsula Col	1,024	0	0	0	1,024	0	0	0	0	0	0	0
Mount St Mary's College	1,445	0	0	0	1,230	0	0	215	0	0	0	0
National Hispanic Univ.	741	0	0	0	664	77	0	0	0	0	0	0
National University	1,792	0	0	0	1,792	0	0	0	0	0	0	0
New College of California	726	0	0	0	726	0	0	0	0	0	0	0
Northrop University	135	0	0	0	135	0	0	0	0	0	0	0
Occidental College	455	0	0	55	0	0	0	104	0	0	294	0
Pac Coast Bptst Bible C	102	0	0	0	102	0	0	0	0	0	0	0
Pacific Christian College	227	0	0	0	227	0	0	0	0	0	0	0
Pacific Grad Sch of Psych	22	0	0	0	22	0	0	0	0	0	0	0
Pacific Lutheran Theo Sem	14	0	0	0	14	0	0	0	0	0	0	0
Pacific Oaks College	399	0	0	0	399	0	0	0	0	0	0	0
Pacific Sch of Religion	89	0	0	0	89	0	0	0	0	0	0	0
Pacific Union College	1,237	0	0	0	1,237	0	0	0	0	0	0	0
Patten College	97	0	0	0	97	0	0	0	0	0	0	0
Pepperdine University	1,640	0	0	0	1,201	0	0	0	0	0	439	0
Pitzer College	830	0	0	0	571	0	0	213	0	0	46	0
Point Loma College	910	0	0	0	878	0	0	0	0	0	32	0
Pomona College	1,129	0	0	0	803	0	0	71	0	0	255	0
Pres Off Cal Sc Prof Psych	80	0	0	0	0	0	0	80	0	0	0	0
Rio Hondo College	2,333	0	0	0	2,333	0	0	0	0	0	0	0
Riverside City College	1,057	0	0	0	1,057	0	0	0	0	0	0	0
Saddleback College	528	0	0	0	528	0	0	0	0	0	0	0
San Diego Miramar College	335	0	0	0	335	0	0	0	0	0	0	0
San Diego State Univ	25,688	71	47	3,563	8,762	1,622	250	8,463	179	546	2,685	0
San Francisco State Univ	12,116	0	25	325	8,525	95	0	849	60	419	1,810	0
San Joaquin Delta College	3,067	0	0	0	3,067	0	0	0	0	0	0	0
San Jose Bible College	119	0	0	0	119	0	0	0	0	0	0	0
San Jose City College	42	0	0	0	0	0	0	0	0	0	42	0
San Jose State University	17,041	0	64	315	7,594	0	0	1,137	72	5,116	2,743	0
Santa Clara University	2,102	0	0	0	1,444	0	0	89	0	151	418	0
Santa Rosa Junior College	1	0	0	0	0	0	0	1	0	0	0	0
Saybrook Institute	5	0	0	0	5	0	0	0	0	0	0	0
Sch of Theology Claremont	61	0	0	0	61	0	0	0	0	0	0	0
Scripps College	462	0	0	0	462	0	0	0	0	0	0	0
Shasta Bible College	2	0	0	0	2	0	0	0	0	0	0	0
Sierra College	728	0	0	0	728	0	0	0	0	0	0	0
Simpson College (Cal)	319	0	0	0	319	0	0	0	0	0	0	0
Skyline College	923	0	0	0	923	0	0	0	0	0	0	0
Solano Co Cmty College	690	0	0	0	690	0	0	0	0	0	0	0
Sonoma State University	2,887	0	0	0	2,611	0	0	232	0	44	0	0
Southern Cal Col Optmtry	209	0	0	0	187	0	0	22	0	0	0	0
Southern California Col	537	0	0	0	537	0	0	0	0	0	0	0
Southwestern College	2,193	0	0	0	2,193	0	0	0	0	0	0	0
Southwestern U Sch of Law	436	0	0	0	436	0	0	0	0	0	0	0
St John's Col Calif	116	0	0	0	116	0	0	0	0	0	0	0
St Joseph's College	66	0	0	0	66	0	0	0	0	0	0	0
St Mary's Col California	547	0	0	0	547	0	0	0	0	0	0	0
Stanford University	280,484	0	30	37,561	8,574	23,028	2,298	126,490	267	49,184	33,052	0
State Ctr Comm Coll Dist	100	0	100	0	0	0	0	0	0	0	0	0
Taft College	325	0	0	0	325	0	0	0	0	0	0	0
U of Cal Sys Wide Prgrms	14,690	10,110	3,852	0	548	0	0	180	0	0	0	0
Univ of Cal Berkeley	156,170	9,150	0	10,529	22,657	4,371	514	45,818	603	19,410	39,673	3,445
Univ of Cal Davis	84,983	4,061	0	1,568	10,569	10,292	511	44,439	664	1,451	9,963	1,465
Univ of Cal Irvine	64,278	0	0	9,321	7,293	4,198	190	32,187	0	1,481	9,608	0
Univ of Cal Los Angeles	205,843	189	76	9,436	15,601	18,075	81	134,255	0	7,300	20,311	519
Univ of Cal Riverside	15,231	1,216	0	278	3,332	1,513	317	4,779	35	276	3,485	0
Univ of Cal San Diego	184,033	325	564	21,844	6,842	4,213	138	106,891	652	12,736	29,460	368
Univ of Cal San Francisco	186,228	0	0	2,110	0	3,622	160	177,194	0	953	2,189	0
Univ of Cal Santa Barbara	52,020	283	57	14,273	7,504	3,144	421	4,494	1,026	2,444	17,595	779
Univ of Cal Santa Cruz	23,409	40	0	1,001	4,410	1,759	0	4,308	5,476	793	5,622	0
Univ of San Francisco	2,629	0	0	116	1,895	0	0	241	0	377	0	0
Univ of Southern Cal	144,078	0	684	38,184	12,607	1,428	727	74,248	161	5,454	10,465	120
Univ of West Los Angeles	32	0	0	0	32	0	0	0	0	0	0	0
University of the Pacific	3,629	0	0	0	2,417	0	0	1,055	0	0	157	0
University of La Verne	1,285	0	0	0	1,285	0	0	0	0	0	0	0
University of Redlands	1,083	0	0	0	1,066	0	0	0	0	0	17	0
University of San Diego	1,572	0	0	0	742	0	0	489	0	0	341	0
US International Univ	1,007	0	0	0	1,007	0	0	0	0	0	0	0
Victor Valley College	811	0	0	0	811	0	0	0	0	0	0	0
West Coast Bible College	198	0	0	0	198	0	0	0	0	0	0	0
West Coast University	123	0	0	0	123	0	0	0	0	0	0	0
West Hills College	1,211	0	0	0	1,211	0	0	0	0	0	0	0
West Los Angeles College	730	0	0	0	730	0	0	0	0	0	0	0
Westmont College	482	0	0	0	437	0	0	0	0	0	45	0
Western St U C Law Sys Off	538	0	0	0	538	0	0	0	0	0	0	0
Whittier College	797	0	0	0	774	0	0	0	0	0	23	0
Woodbury University	495	0	0	0	495	0	0	0	0	0	0	0
World College West	137	0	0	0	137	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Westrn St U Cal Law S Ofc	36	0	0	0	36	0	0	0	0	0	0	0
Yeshiva Ohr Elshanon	61	0	0	0	61	0	0	0	0	0	0	0
Yuba College	1,395	0	0	0	1,395	0	0	0	0	0	0	0
Colorado, total	257,136	9,811	10,396	13,929	66,654	7,237	2,125	95,486	1,352	16,679	32,166	1,337
Adams State College	2,342	1	0	0	2,340	0	0	0	0	0	73	0
Arapahoe Community Col	1,139	0	0	0	1,139	0	0	0	0	0	0	0
Bali-Hes Inst Anml Tec	139	0	0	0	139	0	0	0	0	0	0	0
Beth-El College Nursing	80	0	0	0	80	0	0	0	0	0	0	0
Blair Junior College	1,152	0	0	0	1,152	0	0	0	0	0	0	0
Colorado Christian Univ	582	0	0	0	582	0	0	0	0	0	0	0
Colorado College	881	0	0	0	807	0	0	0	0	0	44	0
Colorado School of Mines	1,285	81	0	475	0	1,057	75	0	331	0	1,068	0
Colorado State University	54,633	9,547	2,292	3,457	7,469	1,780	845	16,977	887	2,312	7,814	1,053
Colorado Technical Col	452	0	0	0	452	0	0	0	0	0	0	0
Community Col Aurora	118	0	0	0	0	0	0	138	0	0	0	0
Community College Denver	2,480	0	0	0	2,450	0	0	0	0	0	0	0
Denver Inst of Technology	1,259	0	0	0	1,259	0	0	0	0	0	0	0
Denver Technical College	984	0	0	0	984	0	0	0	0	0	0	0
Fort Lewis College	1,082	0	0	0	1,489	0	0	21	0	0	92	0
Front Range Comm College	1,666	0	0	0	1,848	0	0	0	0	0	0	1
Iliff School of Theology	61	0	0	0	61	0	0	0	0	0	0	0
ITT Technical Institute	49	0	0	0	49	0	0	0	0	0	0	0
Lamar Community College	653	0	0	0	653	0	0	0	0	0	0	0
Met State College	2,936	1	0	0	2,935	0	0	0	0	0	0	0
Metropolitan St Coll Denver	8,341	0	0	0	8,183	0	0	0	0	0	158	0
Morgan County CC	182	0	0	0	182	0	0	0	0	0	0	0
Noropa Institute	321	0	0	0	321	0	0	0	0	0	0	0
National Tech University	130	0	0	130	0	0	0	0	0	0	0	0
Northern State College	400	0	0	0	400	0	0	0	0	0	0	0
Otero Junior College	825	1	0	0	824	0	0	0	0	0	0	0
Pikes Peak Community Col	2,835	0	0	0	2,835	0	0	0	0	0	0	0
San Diego State Univ	682	0	0	0	682	0	0	0	0	0	0	0
Regis College	1,853	0	0	0	1,830	0	0	0	0	0	23	0
St Thomas Seminary	18	0	0	0	18	0	0	0	0	0	0	0
Technical Trades Institut	922	0	0	0	922	0	0	0	0	0	0	0
Trinidad State Junior Col	1,685	0	0	0	1,685	0	0	0	0	0	0	0
Univ of Northern Colorado	8,608	1	0	0	4,791	0	0	229	0	0	787	0
Univ of Southern Colorado	3,100	0	0	0	4,349	0	0	391	0	305	35	0
University of Colorado	142,413	179	8,184	6,705	12,105	4,277	1,132	75,842	96	12,851	20,839	283
University of Denver	7,314	0	0	2,762	0	123	73	1,872	38	1,211	1,235	0
Western St Col Colorado	1,804	0	0	0	1,804	0	0	0	0	0	0	0
Yeshiva T-Chelm Tel Sem	22	0	0	0	22	0	0	0	0	0	0	0
Connecticut, total	244,813	4,234	3,905	8,811	33,862	10,532	368	163,640	104	1,198	18,244	215
Albertus Magnus College	256	0	0	0	256	0	0	0	0	0	0	0
Assuntnck CC	146	0	0	0	146	0	0	0	0	0	0	0
Bela Binyamin Academy	43	0	0	0	43	0	0	0	0	0	0	0
Brianwood College	67	0	0	0	67	0	0	0	0	0	0	0
Central Conn State Univ	1,406	0	0	0	1,349	0	0	57	0	0	0	0
Connecticut College	1,067	0	0	0	905	0	0	113	0	0	49	0
Eastern Conn State Univ	958	0	0	0	958	0	0	0	0	0	0	0
Fairfield University	1,070	0	0	0	924	60	0	0	0	0	86	0
Greater Hartford Cmty Col	1,144	0	0	0	1,144	0	0	0	0	0	0	0
Greater New Haven St Tech	108	0	0	0	108	0	0	0	0	0	0	0
Hartford Col for Women	111	0	0	0	111	0	0	0	0	0	0	0
Holy Apostles College	42	0	0	0	42	0	0	0	0	0	0	0
Housatonic Cmty Col	380	0	0	0	380	0	0	0	0	0	0	0
Manchester Community Col	614	0	0	0	614	0	0	0	0	0	0	0
Mattatuck Community Col	688	0	0	0	688	0	0	0	0	0	0	0
Middlesex Cmty Col (Conn)	441	0	0	0	441	0	0	0	0	0	0	0
Mitchell College	268	0	0	0	268	0	0	0	0	0	0	0
Nohegan Community College	346	0	0	0	346	0	0	0	0	0	0	0
Northwestern Conn Cmty Col	180	0	0	0	180	0	0	0	0	0	0	0
Norwalk Community College	406	0	0	0	406	0	0	0	0	0	0	0
Quinnipiac College	528	0	0	0	528	0	0	0	0	0	0	0
Sacred Heart University	995	0	0	0	781	0	0	244	0	0	0	0
South Central Cmty Col	1,123	0	0	0	892	0	0	18	0	0	213	0
Southern Conn State Univ	489	0	0	0	489	0	0	0	0	0	0	0
St Alphonsus College	1,886	0	0	0	1,660	0	0	0	0	0	226	0
St Basil's College	25	0	0	0	25	0	0	0	0	0	0	0
St Basil's College	2	0	0	0	2	0	0	0	0	0	0	0
St Joseph College	315	0	0	0	300	0	0	15	0	0	0	0
Tokyo Post University	379	0	0	0	379	0	0	0	0	0	0	0
Trinity College	1,372	0	0	0	1,050	14	0	33	0	0	275	0
Tunxis Community College	215	0	0	0	215	0	0	0	0	0	0	0
University of Bridgeport	1,692	0	0	0	1,645	0	0	0	0	0	47	0
University of Connecticut	54,319	3,985	3,875	2,235	6,051	797	129	32,845	104	293	4,629	215

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOE	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other
Connecticut, cont'd												
University of Hartford	1,815	0	0	0	1,820	0	57	0	0	0	138	0
University of New Haven	1,054	0	0	0	906	14	0	0	0	0	134	0
Waterbury State Tech Col	123	0	0	0	99	0	0	0	0	0	25	0
Wesleyan University	4,133	0	0	0	2,132	0	0	996	0	0	1,005	0
Western Conn State Univ	583	0	0	0	537	0	0	0	0	0	46	0
Yale University	164,044	279	30	6,276	5,225	9,647	182	130,119	0	905	11,380	0
Delaware, total	31,393	4,230	1,345	2,020	11,109	1,000	275	4,948	223	1,096	9,067	0
Delaware State College	4,522	1,229	0	0	2,726	0	3	564	0	0	0	0
Delaware Tech & Cmty Col	3,364	0	0	0	3,288	0	0	0	0	0	76	0
Golday Bescom College	405	0	0	0	405	0	0	0	0	0	0	0
University of Delaware	22,405	3,001	1,345	2,020	4,073	1,000	272	4,364	223	1,096	4,991	0
Wesley College	469	0	0	0	469	0	0	0	0	0	0	0
Wilmington College	229	0	0	0	229	0	0	0	0	0	0	0
District of Columbia, total	326,093	2,049	374	7,835	237,884	1,438	729	89,659	112	8,206	9,690	1,119
American University	4,237	0	0	0	2,690	104	38	690	0	61	646	0
Catholic Univ of America	6,152	62	217	1,796	1,316	267	0	940	0	911	629	0
Corcoran School of Art	162	0	0	0	162	0	0	0	0	0	0	0
Gallaudet University	49,819	0	0	0	48,944	0	0	434	0	81	390	0
George Washington Univ	29,299	0	91	2,545	4,512	647	174	17,444	0	2,614	1,071	0
Georgetown University	43,598	355	13	2,414	6,877	296	375	31,062	0	0	1,197	920
Howard University	186,875	110	53	912	178,125	128	122	8,213	0	1,276	9,438	199
Mount Vernon College	124	0	0	0	124	0	0	0	0	0	0	0
Southeastern University	214	0	0	0	214	0	0	0	0	0	0	0
Strayer College	545	0	0	0	545	0	0	0	0	0	0	0
Trinity College	444	0	0	0	444	0	0	0	0	0	0	0
University of D C	4,997	1,502	0	107	1,914	0	20	648	112	294	320	0
Wesley Theol Sem	17	0	0	0	17	0	0	0	0	0	0	0
Florida, total	348,458	19,124	4,737	19,495	133,148	17,860	2,671	106,809	1,345	9,541	29,180	2,548
Ark Inst of Ft Lauderdale	1,643	0	0	0	1,643	0	0	0	0	0	0	0
Berry University	1,336	0	0	0	914	0	0	422	0	0	0	0
Bethune Cookman College	5,817	0	0	0	4,996	0	0	787	1	0	33	0
Clearwater Christian Col	176	0	0	0	176	0	0	0	0	0	0	0
College of Boca Raton	154	0	0	0	154	0	0	0	0	0	0	0
Daytona Beach Cmty Col	2,605	0	0	0	2,605	0	0	0	0	0	0	0
Eckard College	900	0	0	0	780	0	0	0	0	0	120	0
Edison Community College	87	0	0	0	0	0	0	0	0	0	87	0
Edward Waters College	2,120	0	0	0	2,100	0	0	20	0	0	0	0
Embry-Riddle Aero Univ	4,312	0	0	0	3,764	0	0	0	0	181	266	181
Flagler College	386	0	0	0	386	0	0	0	0	0	0	0
Florida A & M University	18,048	3,157	100	735	9,229	14	0	2,447	0	993	1,029	162
Florida Atlantic Univ	5,819	0	4	417	3,523	69	0	844	10	585	478	165
Florida Bible College	66	0	0	0	66	0	0	0	0	0	0	0
Florida College	93	0	0	0	93	0	0	0	0	0	0	0
Florida Inst of Tech	1,129	0	0	140	0	0	75	478	0	0	436	0
Florida International U	5,461	0	0	0	3,863	69	438	652	0	0	412	27
Florida Memorial College	4,378	0	0	0	4,378	0	0	0	0	0	0	0
Florida Southern College	479	0	0	0	479	0	0	0	0	0	0	0
Florida State University	36,767	100	477	1,971	8,176	13,648	720	4,297	48	1,256	5,703	375
Fort Lauderdale Univ	1,864	0	0	0	1,864	0	0	0	0	0	0	0
Hillsborough Cmty College	2,013	0	0	0	2,013	0	0	0	0	0	0	0
Hobe Sound Bible College	113	0	0	0	113	0	0	0	0	0	0	0
International Fine Arts C	308	0	0	0	308	0	0	0	0	0	0	0
Its Career Inst-Jackson	550	0	0	0	550	0	0	0	0	0	0	0
Its Career Inst-Miami	481	0	0	0	481	0	0	0	0	0	0	0
ITT Tech Institute	60	0	0	0	60	0	0	0	0	0	0	0
Jacksonville University	1,031	0	0	0	1,031	0	0	0	0	0	0	0
Jones College	3,306	0	0	0	3,306	0	0	0	0	0	0	0
Kaiser Coll of Technology	817	0	0	0	817	0	0	0	0	0	0	0
Liberty State College	150	0	0	0	150	0	0	0	0	0	0	0
Miami Christian College	272	0	0	0	272	0	0	0	0	0	0	0
Miami-Dade Cmty College	15,279	0	0	0	15,248	0	0	0	0	0	31	0
New Eng Inst Tec-Palm Bch	588	0	0	0	588	0	0	0	0	0	0	0
Nova University	2,541	0	34	163	1,330	0	0	224	0	0	790	0
Palm Beach Atlantic Coll	577	0	0	0	577	0	0	0	0	0	0	0
Pensacola Junior College	2,905	0	0	0	2,905	0	0	0	0	0	0	0
Phillips Junior College	3,645	0	0	0	3,645	0	0	0	0	0	0	0
Prospect Hall College	374	0	0	0	374	0	0	0	0	0	0	0
Rollins College	758	0	0	0	714	0	0	0	0	0	44	0
Seminole Community Col	1,281	0	0	0	1,273	0	0	0	0	0	8	0
Sestern Col-Assemb of God	1,141	0	0	0	1,141	0	0	0	0	0	0	0
St John Vianney Col Sem	39	0	0	0	39	0	0	0	0	0	0	0
St Leo College	922	0	0	0	922	0	0	0	0	0	0	0
St. Thom of Villanova U	1,489	0	0	0	1,489	0	0	0	0	0	0	0
State Univ Sys of Fla Off	1,862	0	1,717	0	0	143	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	HASA	NSF	Other 1/
Florida, cont'd												
Stetson University	1,081	0	0	0	1,057	0	0	0	0	0	24	0
SE Univ Health Sciences	1,181	0	0	0	0	0	0	1,181	0	0	0	0
Talmudic Col of Florida	80	0	0	0	80	0	0	0	0	0	0	0
Tampa College	1,644	0	0	0	1,644	0	0	0	0	0	0	0
Tampa Technical Institute	125	0	0	0	125	0	0	0	0	0	0	0
Univ of Central Florida	13,754	0	0	4,386	6,708	210	100	380	0	1,412	538	20
Univ of South Florida	24,459	0	166	1,552	9,351	227	71	9,735	579	728	1,899	151
Univ of West Florida	3,096	0	0	0	2,333	0	454	0	0	0	309	0
University of Florida	84,222	15,867	107	6,047	13,237	3,039	813	32,017	669	2,703	8,256	1,467
University of Sarasota	79,896	0	2,132	4,065	7,564	439	0	55,125	40	1,843	8,688	0
University of Miami	1,562	0	0	0	1,533	0	0	0	0	0	29	0
University of North Fla	10	0	0	0	10	0	0	0	0	0	0	0
University of South Florida	780	0	0	19	761	0	0	0	0	0	0	0
University of Tampa	357	0	0	0	357	0	0	0	0	0	0	0
Warner Southern College	143	0	0	0	143	0	0	0	0	0	0	0
Webber College	143	0	0	0	143	0	0	0	0	0	0	0
Georgia, total	294,322	23,628	1,664	42,688	85,536	17,048	2,269	90,958	589	5,946	20,119	3,877
Abraham Baldwin Agric Col	1,711	0	0	0	1,711	0	0	0	0	0	0	0
Agnes Scott College	291	0	0	0	263	0	0	0	0	0	28	0
Albany State College	4,269	0	0	0	3,888	0	0	342	0	0	39	0
American Coll for App Art	832	0	0	0	832	0	0	0	0	0	0	0
Andrew College	192	0	0	0	192	0	0	0	0	0	0	0
Armstrong State College	1,070	0	0	0	959	0	0	111	0	0	0	0
Art Institute of Atlanta	1,163	0	0	0	1,163	0	0	0	0	0	0	0
Atlanta Christian Col	87	0	0	0	87	0	0	0	0	0	0	0
Atlanta Metropolitan Coll	1	0	0	0	0	0	0	0	1	0	0	0
Augusta College	41	0	0	0	0	0	0	0	0	0	41	0
Bainbridge College	287	0	0	0	287	0	0	0	0	0	0	0
Bauder Finshg & Career C	341	0	0	0	341	0	0	0	0	0	0	0
Berry College	801	1	0	0	800	0	0	0	0	0	0	0
Brenau College	346	0	0	0	346	0	0	0	0	0	0	0
Brewton-Parker College	1,829	0	0	0	1,829	0	0	0	0	0	0	0
Clark Atlanta University	11,884	0	80	1,600	3,629	4,424	0	192	0	302	1,657	0
Clayton Junior College	378	0	0	0	378	0	0	0	0	0	0	0
Columbus College	1,345	0	0	0	1,345	0	0	0	0	0	0	0
Crandall Junior College	961	0	0	0	961	0	0	0	0	0	0	0
Dalton College	449	0	0	0	449	0	0	0	0	0	0	0
Emmanuel College	320	0	0	0	320	0	0	0	0	0	0	0
Emory University	59,191	0	0	799	3,287	82	0	52,554	0	297	2,172	0
Floyd College	566	0	0	0	566	0	0	0	0	0	0	0
Fort Valley State College	8,181	3,677	0	0	4,249	203	0	52	0	0	0	0
Gainesville College	501	0	0	0	501	0	0	0	0	0	0	0
Georgia College	1,470	0	0	0	1,470	0	0	0	0	0	0	0
Georgia Institute of Tech	57,961	241	341	38,546	796	1,227	819	2,912	273	3,932	7,546	1,328
Georgia Military College	676	0	0	0	676	0	0	0	0	0	0	0
Georgia Southern Univ	4,707	3	0	0	3,319	0	0	1,318	0	18	49	0
Georgia Southwestern Col	1,212	0	0	0	1,212	0	0	0	0	0	0	0
Georgia State University	11,059	0	0	129	4,412	57	1	2,998	0	154	876	2,432
Gordon College	437	0	0	0	437	0	0	0	0	0	0	0
Interdenomina Theol Ctr	75	0	0	0	75	0	0	0	0	0	0	0
Kennesaw College	1,006	0	0	0	929	0	0	77	0	0	0	0
La Grange College	403	0	0	0	403	0	0	0	0	0	0	0
Life College	395	0	0	0	260	0	0	135	0	0	0	0
Macon College	872	0	0	0	872	0	0	0	0	0	0	0
Massey Business College	1,459	0	0	0	1,459	0	0	0	0	0	0	0
Medical Col of Georgia	9,856	0	0	343	482	0	0	8,976	0	0	0	0
Mercer University	3,353	0	0	0	2,769	0	0	445	0	0	138	0
Middle Georgia College	514	0	0	0	514	0	0	0	0	0	0	0
Morehouse College	5,414	0	0	169	3,701	0	0	1,435	0	0	0	109
Morehouse School of Med	13,171	0	0	0	5,218	0	289	7,614	0	0	50	0
Morris Brown College	4,345	0	0	54	4,069	14	0	192	0	0	16	0
North Georgia College	584	0	0	0	570	14	0	0	0	0	0	0
Oglethorpe University	442	0	0	0	442	0	0	0	0	0	0	0
Paine College	2,269	0	0	0	2,269	0	0	0	0	0	0	0
Piedmont College	213	0	0	0	213	0	0	0	0	0	0	0
Reinhardt College	168	0	0	0	168	0	0	0	0	0	0	0
Savannah State College	3,618	0	19	0	3,454	86	0	59	0	0	0	0
Shorter College	362	0	0	0	362	0	0	0	0	0	0	0
South Georgia College	1,090	0	0	0	1,090	0	0	0	0	0	0	0
Spelman College	3,872	0	0	62	2,478	0	0	308	43	831	150	0
Thomas County Cmty Coll	391	0	0	0	391	0	0	0	0	0	0	0
Toccoa Falls College	651	0	0	0	651	0	0	0	0	0	0	0
Truett McConnell College	378	0	0	0	378	0	0	0	0	0	0	0
University of Georgia	59,219	19,706	1,224	985	6,023	10,941	1,160	11,238	272	412	7,250	8
Valdosta State College	52	0	0	0	0	0	0	0	0	0	52	0
Valdosta Technical Instit	3,202	0	0	0	3,202	0	0	0	0	0	0	0
Wesleyan College	303	0	0	0	303	0	0	0	0	0	0	0
West Georgia College	1,922	0	0	0	1,922	0	0	0	0	0	0	0
Young Harris College	164	0	0	0	164	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Hawaii, total	71,225	7,714	6,776	4,111	13,096	1,979	0	13,546	764	6,930	12,946	2,563
Chaminade U of Honolulu	700	0	0	0	700	0	0	0	0	0	0	0
Hawaii Loa College	281	0	0	0	281	0	0	0	0	0	0	0
Hawaii Pacific College	977	0	0	0	977	0	0	0	0	0	0	0
Honolulu Cmty College	552	0	0	0	503	0	0	49	0	0	0	0
Intl Coll of Grad Schl Th	10	0	0	0	10	0	0	0	0	0	0	0
Kapiolani Cmty College	758	0	0	0	758	0	0	0	0	0	0	0
Kauai Cmty College	548	0	0	0	548	0	0	0	0	0	0	0
Leeward Cmty College	428	0	0	0	428	0	0	0	0	0	0	0
Maui Community College	707	0	0	0	707	0	0	0	0	0	0	0
Univ of Hawaii - W. Oahu	57	0	0	0	57	0	0	0	0	0	0	0
Univ of Hawaii Sys Off	8,021	0	6,556	845	80	268	0	0	0	0	225	47
Univ of Hawaii-Manoa	54,567	7,532	220	3,266	6,022	1,670	0	13,030	660	6,930	12,721	2,516
Univ Hawaii at Hilo	3,619	182	0	0	2,825	41	0	467	104	0	0	0
Idaho, total	41,739	6,501	80	380	27,742	101	321	1,248	1,449	1,726	1,428	763
Boise Bible College	47	0	0	0	47	0	0	0	0	0	0	0
Boise State University	7,069	0	50	65	6,666	0	0	2	0	0	93	193
College of Idaho	443	0	0	0	443	0	0	0	0	0	0	0
College of Southern Idaho	2,026	0	0	0	2,010	0	0	0	0	0	16	0
Idaho State University	6,511	27	0	0	5,511	36	0	324	44	0	0	569
Lewis-Clark State College	1,944	0	0	0	1,942	0	0	2	0	0	0	0
North Idaho College	1	0	0	0	0	0	0	0	0	0	0	1
Northwest Nazarene Col	1,076	0	0	0	1,076	0	0	0	0	0	0	0
Ricks College	4,723	0	0	0	4,723	0	0	0	0	0	0	0
University of Idaho	17,899	6,474	30	315	5,324	65	321	920	1,405	1,726	1,319	0
Illinois, total	586,019	20,910	1,918	34,940	185,094	37,646	2,246	190,587	764	12,109	95,818	3,987
A Adler Inst of Chicago	16	0	0	0	16	0	0	0	0	0	0	0
Amar Acad of Art	212	0	0	0	212	0	0	0	0	0	0	0
Amar Conserv of Music	55	0	0	0	55	0	0	0	0	0	0	0
Augustana College	1,395	0	0	0	1,319	0	0	0	0	0	76	0
Aurora College	711	0	0	0	666	0	0	45	0	0	0	0
Barat College	370	0	0	0	370	0	0	0	0	0	0	0
Bethany Theol Sem	29	0	0	0	29	0	0	0	0	0	0	0
Blackburn College	401	0	0	0	401	0	0	0	0	0	0	0
Blessing College Nursing	25	0	0	0	25	0	0	0	0	0	0	0
Bradley University	2,712	0	0	0	2,585	0	0	29	0	0	73	25
Carl Sandburg College	581	0	0	0	581	0	0	0	0	0	0	0
Chicago Col of Osteo Med	1,030	0	0	0	145	0	0	885	0	0	0	0
Chicago Sch of Prof Psych	6	0	0	0	6	0	0	0	0	0	0	0
Chicago State University	5,609	0	0	0	4,511	14	0	954	0	89	41	0
City Colleges of Chicago	16,508	0	0	0	16,308	0	0	162	0	0	38	0
College of Du Page	1,186	0	0	0	1,186	0	0	0	0	0	0	0
College of St Francis	494	0	0	0	494	0	0	0	0	0	0	0
Columbia College	4,374	0	0	0	4,030	0	0	0	0	0	344	0
Concordia University	359	0	0	0	358	0	0	1	0	0	0	0
Danville Area Cmty Col	1,392	0	0	0	1,392	0	0	0	0	0	0	0
De Paul University	3,568	0	0	0	2,952	0	0	541	0	0	75	0
Devry Inst of Technology	1,997	0	0	0	1,997	0	0	0	0	0	0	0
East-West University	520	0	0	0	620	0	0	0	0	0	0	0
Eastern Illinois Univ	3,764	0	0	0	3,718	0	0	0	0	0	46	0
Eureka College	398	0	0	0	390	0	0	8	0	0	0	0
Felician College	5	0	0	0	5	0	0	0	0	0	0	0
Forest Inst of Prof Psych	46	0	0	0	46	0	0	0	0	0	0	0
Garrett-Evangl Theo Sem	55	0	0	0	55	0	0	0	0	0	0	0
Gem City College	54	0	0	0	54	0	0	0	0	0	0	0
Governors State Univ	1,021	0	0	0	968	0	0	53	0	0	0	0
Greenville College	745	0	0	0	745	0	0	0	0	0	0	0
Hebrew Theological Col	17	0	0	0	17	0	0	0	0	0	0	0
Highland Community Col	1,437	0	0	0	1,437	0	0	0	0	0	0	0
Ill E CC Lincoln Yrsl C	91	0	0	0	0	0	0	91	0	0	0	0
Illinois Benedictine Col	677	0	0	0	648	0	0	0	0	0	29	0
Illinois Central College	2,171	0	0	0	2,171	0	0	0	0	0	0	0
Illinois Col of Optometry	424	0	0	0	397	0	0	27	0	0	0	0
Illinois College	451	0	0	0	451	0	0	0	0	0	0	0
Illinois Inst of Tech	10,247	0	0	3,023	2,016	0	666	3,331	0	103	1,108	0
Illinois State University	9,587	0	0	0	7,748	0	0	825	0	0	1,014	0
Illinois Technical Col	256	0	0	0	256	0	0	0	0	0	0	0
Illinois Wesleyan Univ	516	0	0	0	516	0	0	0	0	0	0	0
John A Logan College	2,055	0	0	0	2,055	0	0	0	0	0	0	0
Judson College	448	0	0	0	448	0	0	0	0	0	0	0
Kankakee Community Col	826	0	0	0	826	0	0	0	0	0	0	0
Kaskaskia College	981	0	0	0	981	0	0	0	0	0	0	0
Kendall College	299	0	0	0	299	0	0	0	0	0	0	0
Knox College	1,036	0	0	0	682	0	0	158	0	0	196	0
Lake Forest College	1,123	0	0	0	1,024	0	0	0	0	0	99	0
Lewis and Clark Cmty Col	251	0	0	0	0	0	0	0	0	0	251	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Illinois, cont'd												
Lewis University	1,691	0	0	0	1,662	0	0	16	0	0	13	0
Lincoln Christian Col	285	0	0	0	285	0	0	0	0	0	0	0
Lincoln College	2,004	0	0	0	626	0	0	0	0	0	0	1,378
Loyola Univ - Chicago	13,684	13	0	327	5,380	20	97	6,629	0	0	1,213	5
MacCormac College	343	0	0	0	343	0	0	0	0	0	0	0
MacMurray College	1,495	0	0	0	1,495	0	0	0	0	0	0	0
Marlinckrodt College	72	0	0	0	72	0	0	0	0	0	0	0
McCormick Theol Sem	35	0	0	0	35	0	0	0	0	0	0	0
McHenry County College	344	0	0	0	344	0	0	0	0	0	0	0
McKendree College	733	0	0	0	733	0	0	0	0	0	0	0
Mennonite Col of Nursing	61	0	0	0	61	0	0	0	0	0	0	0
Metropolitan Bus College	162	0	0	0	162	0	0	0	0	0	0	0
Millikin University	1,009	0	0	0	975	0	0	0	0	0	34	0
Monmouth College	687	0	0	0	687	0	0	0	0	0	0	0
Morrison Inst of Tech	146	0	0	0	146	0	0	0	0	0	0	0
Morton College	290	0	0	0	290	0	0	0	0	0	0	0
Mundelein College	563	0	0	0	563	0	0	0	0	0	0	0
Nash College	323	0	0	0	323	0	0	0	0	0	0	0
Niles College	103	0	0	0	103	0	0	0	0	0	0	0
North Central College	570	0	0	0	570	0	0	0	0	0	0	0
North Park Col Theol Sem	952	0	0	0	952	0	0	0	0	0	0	0
Northeastern Ill Univ	5,200	10	0	0	4,990	0	0	0	0	0	200	0
Northern Illinois Univ	11,646	111	0	209	7,417	359	0	1,490	0	0	2,060	0
Northwestern University	76,004	50	15	6,761	9,033	3,916	0	40,731	91	1,183	14,224	0
Oakton Community College	702	0	0	0	702	0	0	0	0	0	0	0
Olivet Nazarene College	924	0	0	0	924	0	0	0	0	0	0	0
Parkland College	3,011	1	0	0	2,866	0	0	0	0	0	124	0
Prairie State College	1,060	0	0	0	1,060	0	0	0	0	0	0	0
Quincy College	2,851	0	0	0	2,851	0	0	0	0	0	0	0
Ray College of Design	233	0	0	0	233	0	0	0	0	0	0	0
Richland Cmty Col	510	0	0	0	510	0	0	0	0	0	0	0
Robert Morris Col (Ill)	2,550	0	0	0	2,550	0	0	0	0	0	0	0
Rockford College	660	0	0	0	660	0	0	0	0	0	0	0
Roosevelt University	2,472	0	0	0	2,472	0	0	0	0	0	0	0
Rosary College	528	0	0	0	512	0	0	0	0	0	16	0
Rush University	2,190	0	0	0	617	0	0	1,573	0	0	0	0
S Illinois U Edwardsville	6,326	0	0	0	4,910	0	0	819	107	0	490	0
Sangamon State University	721	0	0	0	721	0	0	0	0	0	0	0
Shimer College	145	0	0	0	145	0	0	0	0	0	0	0
Southern Ill U-Carbondale	22,002	691	0	780	14,978	75	0	3,870	251	159	1,198	0
Spartus Coll of Judaica	51	0	0	0	51	0	0	0	0	0	0	0
Springfield Col in Ill	131	0	0	0	131	0	0	0	0	0	0	0
St Augustine Cmty Coll	2,643	0	0	0	2,643	0	0	0	0	0	0	0
St Francis Medical Cn	58	0	0	0	58	0	0	0	0	0	0	0
St Xavier College	1,478	0	0	0	1,441	0	0	37	0	0	0	0
State CC at East St Louis	1,290	0	0	0	1,290	0	0	0	0	0	0	0
Telisha Yeshiva - Chicago	112	0	0	0	112	0	0	0	0	0	0	0
Trinity Christian Col	236	0	0	0	236	0	0	0	0	0	0	0
Trinity College	696	0	0	0	696	0	0	0	0	0	0	0
Trinity Evangel Div Schl	23	0	0	0	23	0	0	0	0	0	0	0
U Hlth Sci/Chgo Med Sch	3,517	0	0	0	0	0	0	3,412	0	0	105	0
Univ of Ill Chicago	60,405	9	73	3,055	12,157	551	370	36,967	0	419	5,329	1,475
Univ of Ill Urbana	121,180	19,654	0	14,988	459	12,623	810	18,548	310	4,003	48,814	971
Univ of Illinois Sys Off	17,221	321	1,529	3,427	11,082	426	303	0	0	0	0	133
University of Chicago	121,378	0	193	2,370	5,900	19,662	0	69,068	5	6,153	18,027	0
Western Illinois Univ	6,065	50	108	0	5,222	0	0	135	0	0	550	0
Wheaton College	921	0	0	0	921	0	0	0	0	0	0	0
William Rainey Harper Col	514	0	0	0	483	0	0	0	0	0	31	0
Wm M Schell Coll Pod Med	182	0	0	0	0	0	0	182	0	0	0	0
Indiana, total	271,864	18,634	115	5,564	113,468	15,247	1,647	66,495	439	3,644	39,698	6,913
Ancilla Domini College	257	0	0	0	257	0	0	0	0	0	0	0
Anderson College	1,515	0	0	0	1,515	0	0	0	0	0	0	0
Ball State University	7,637	0	0	0	7,239	0	1	230	0	0	167	0
Bethel College	322	0	0	0	322	0	0	0	0	0	0	0
Butler University	1,559	11	0	0	1,124	0	335	0	0	0	89	0
Calumet College	465	0	0	0	465	0	0	0	0	0	0	0
Christian Theol Sem	44	0	0	0	44	0	0	0	0	0	0	0
De Pauw University	744	0	0	0	709	0	0	0	0	20	15	0
Earlham College	790	0	0	0	770	0	0	0	0	0	20	0
Franklin Col of Indiana	580	0	0	0	570	0	0	0	0	0	10	0
George Rogers Clark Col	461	0	0	0	461	0	0	0	0	0	0	0
Goshen College	700	0	0	0	700	0	0	0	0	0	0	0
Grace College	634	0	0	0	634	0	0	0	0	0	0	0
Hanover College	245	0	0	0	245	0	0	0	0	0	0	0
Holy Cross College	105	0	0	0	105	0	0	0	0	0	0	0
Huntington College	306	0	0	0	306	0	0	0	0	0	0	0
Ind Voc Tech C-Evansville	1	0	0	0	1	0	0	0	0	0	0	0
Ind Voc Tech C-Fort Wayne	1	0	0	0	1	0	0	0	0	0	0	0

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Indiana, cont'd												
Ind Voc Tech C-Kokomo	1	0	0	0	1	0	0	0	0	0	0	0
Ind Voc Tech C-South Bend	2	0	0	0	2	0	0	0	0	0	0	0
Ind Voc Tech Col Lafayette	1	0	0	0	1	0	0	0	0	0	0	0
Ind Voc Tech College	9,434	0	0	0	9,434	0	0	0	0	0	0	0
Indiana State University	6,750	0	25	0	6,480	0	0	17	63	86	87	0
Indiana University	100,284	2	50	510	33,089	3,839	753	42,963	0	937	17,711	430
Indiana Wesleyan College	13	0	0	0	0	0	0	13	0	0	0	0
International Bus Col	407	0	0	0	407	0	0	0	0	0	0	0
Interstate Tech Institute	67	0	0	0	67	0	0	0	0	0	0	0
ITT Tech Inst-Indianapol	14,728	0	0	0	14,728	0	0	0	0	0	0	0
Manchester College	710	0	0	0	697	0	0	0	0	0	13	0
Marian College	609	0	0	0	609	0	0	0	0	0	0	0
Martin Center College	419	0	0	0	419	0	0	0	0	0	0	0
Oakland City College	1,001	0	0	0	1,001	0	0	0	0	0	0	0
Purdue University	90,518	18,621	0	3,943	14,405	7,267	278	20,018	376	2,315	16,814	6,483
Rose-Hulman Inst of Tech	381	0	0	0	0	0	0	0	0	0	381	0
St Francis College	463	0	0	0	463	0	0	0	0	0	0	0
St Joseph's College	523	0	0	0	523	0	0	0	0	0	0	0
St Mary-of-the-Woods Col	298	0	0	0	298	0	0	0	0	0	0	0
St Mary's College	451	0	0	0	447	0	0	0	0	4	0	0
St Meinrad College	130	0	0	0	130	0	0	0	0	0	0	0
St Meinrad Sch - Theology	61	0	0	0	61	0	0	0	0	0	0	0
Summit Christian College	420	0	0	0	420	0	0	0	0	0	0	0
Taylor University	798	0	0	0	798	0	0	0	0	0	0	0
Tri-State University	593	0	0	0	578	0	0	0	0	0	15	0
University of Evansville	1,577	0	0	0	1,519	0	0	16	0	10	32	0
University of Indianapolis	837	0	0	0	837	0	0	0	0	0	0	0
University of Notre Dame	17,112	0	40	1,111	3,966	4,008	280	3,220	0	252	4,235	0
Valparaiso University	1,765	0	0	0	1,483	133	0	20	0	20	109	0
Vincennes University	5,137	0	0	0	5,137	0	0	0	0	0	0	0
Iowa, total	199,314	28,300	3,357	3,126	65,521	1,383	722	77,475	599	4,936	12,012	1,883
Briar Cliff College	1,397	0	0	0	1,355	0	0	21	0	0	21	0
Buena Vista College	1,874	0	0	0	1,874	0	0	0	0	0	0	0
Central Univ of Iowa	1,859	0	0	0	1,806	0	0	0	0	0	53	0
Clarke College	544	0	0	0	544	0	0	0	0	0	0	0
Coe College	1,143	0	0	0	1,116	0	0	0	0	0	27	0
Cornell College	852	0	0	0	804	0	0	0	0	0	48	0
Divine Word College	146	0	0	0	146	0	0	0	0	0	0	0
Dordt College	831	0	0	0	770	0	0	0	0	0	61	0
Drake University	2,741	0	0	0	2,710	0	0	16	0	0	15	0
Emmaus Bible College	88	0	0	0	88	0	0	0	0	0	0	0
Faith Baptist Bible Col	200	0	0	0	200	0	0	0	0	0	0	0
Graceland College	1,297	0	0	0	1,297	0	0	0	0	0	0	0
Grand View College	2,293	0	0	0	2,293	0	0	0	0	0	0	0
Grinnell College	705	0	0	0	479	0	0	0	0	0	226	0
Indian Hills Cmty College	4,065	0	0	0	4,065	0	0	0	0	0	0	0
Iowa State University	58,104	28,223	3,276	890	11,429	825	243	4,569	599	785	5,383	1,882
Iowa Wesleyan College	548	0	0	0	548	0	0	0	0	0	0	0
Iowa Western Cmty College	1	1	0	0	0	0	0	0	0	0	0	0
Loras College	1,178	0	0	0	1,156	0	0	0	0	0	22	0
Luther College	2,062	0	0	0	1,981	0	0	16	0	0	65	0
Maharishi Int'l University	1,800	3	0	0	1,448	0	0	190	0	0	159	0
Morningside College	1,095	0	0	0	1,095	0	0	0	0	0	0	0
Mount Mercy College	875	0	0	0	875	0	0	0	0	0	0	0
Mount St Clare College	215	0	0	0	215	0	0	0	0	0	0	0
N Iowa Area Cmty College	1,586	0	0	0	1,586	0	0	0	0	0	0	0
Northwest Iowa Tech Col	341	0	0	0	341	0	0	0	0	0	0	0
Northwestern College	947	0	0	0	947	0	0	0	0	0	0	0
Palmar Col of Chiroprctc	658	0	0	0	658	0	0	0	0	0	0	0
Scott Cmty Col-E Iowa CC	87	0	0	0	0	0	87	0	0	0	0	0
Simpson College	859	0	0	0	859	0	0	0	0	0	0	0
Southwestern Cmty College	807	0	0	0	807	0	0	0	0	0	0	0
St Ambrose College	1,183	0	0	0	1,164	0	0	0	0	0	19	0
Teikyo Marycrest Coll	783	0	0	0	783	0	0	0	0	0	0	0
Teikyo Westmar Univer	760	0	0	0	760	0	0	0	0	0	0	0
Univ of Northern Iowa	7,069	0	0	0	6,622	0	0	0	0	0	447	0
Univ of Osteopathic Med	588	0	0	0	89	0	0	499	0	0	0	0
University of Iowa	93,991	73	81	2,236	8,871	558	392	72,162	0	4,151	5,466	1
Upper Iowa University	929	0	0	0	929	0	0	0	0	0	0	0
Vennard College	166	0	0	0	166	0	0	0	0	0	0	0
Waldorf College	698	0	0	0	698	0	0	0	0	0	0	0
Warburg College	975	0	0	0	975	0	0	0	0	0	0	0
Warburg Theol Sem	38	0	0	0	38	0	0	0	0	0	0	0
Western Iowa Tech	2	0	0	0	0	0	0	2	0	0	0	0
William Penn College	934	0	0	0	934	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Kansas, total	104,321	14,728	291	1,465	48,617	2,504	1,681	25,043	314	1,329	6,168	2,181
Baker University	738	0	0	0	738	0	0	0	0	0	0	0
Barclay College	97	0	0	0	97	0	0	0	0	0	0	0
Benedictine College	695	0	0	0	678	0	0	0	0	0	17	0
Bethany College	698	0	0	0	698	0	0	0	0	0	0	0
Bethel College	649	0	0	0	616	0	0	23	0	0	10	0
Donnelly College	1,611	0	0	0	1,611	0	0	0	0	0	0	0
Emporia State University	3,005	0	0	0	3,005	0	0	0	0	0	0	0
Fort Hays St Univ	3,377	3	0	0	3,361	0	0	0	0	0	13	0
Friends University	725	0	0	0	725	0	0	0	0	0	0	0
Haskell Indian Jr College	237	0	0	0	237	0	0	0	0	0	0	0
Hesston College	583	0	0	0	583	0	0	0	0	0	0	0
Kans St U - Ag & App Sci	32,420	14,715	24	674	8,177	2,063	1,628	1,823	130	45	2,919	222
Kansas City Coll&Bible Sch	67	0	0	0	67	0	0	0	0	0	0	0
Kansas City Kansas Cmty C	1	0	0	0	0	0	0	0	0	0	0	1
Kansas Technical Inst	51	0	0	0	0	0	0	0	0	0	51	0
Kansas Wesleyan Univ	743	0	0	0	743	0	0	0	0	0	0	0
Manhattan Christian Col	182	0	0	0	182	0	0	0	0	0	0	0
Marymount Col of Kansas	3	0	0	0	3	0	0	0	0	0	0	0
McPherson College	389	0	0	0	389	0	0	0	0	0	0	0
Mid-America Nazarene Col	945	0	0	0	945	0	0	0	0	0	0	0
Ottawa University	1,343	0	0	0	1,343	0	0	0	0	0	0	0
Pittsburg State Univ	3,032	0	0	0	3,028	0	0	4	0	0	0	0
Southwestern College	713	0	0	0	688	0	0	25	0	0	0	0
St Mary of the Plains Col	893	0	0	0	883	0	0	10	0	0	0	0
St Mary College	679	0	0	0	666	0	0	0	0	0	13	0
Sterling College	705	10	0	0	479	0	0	216	0	0	0	0
Tabor College	524	0	0	0	524	0	0	0	0	0	0	0
University of Kansas	41,198	0	267	768	12,584	441	53	22,627	184	1,195	2,988	91
Wichita State University	8,018	0	0	23	5,567	0	0	315	0	89	157	1,867
Kentucky, total	144,600	21,023	4,660	554	82,006	3,270	336	25,449	653	1,048	5,424	177
Alice Lloyd College	681	0	0	0	681	0	0	0	0	0	0	0
Asbury College	764	0	0	0	764	0	0	0	0	0	0	0
Asbury Theol Seminary	245	0	0	0	245	0	0	0	0	0	0	0
Bellarmino College	608	0	0	0	608	0	0	0	0	0	0	0
Berea College	3,099	0	0	0	3,032	0	0	0	0	0	67	0
Brescia College	639	0	0	0	639	0	0	0	0	0	0	0
Campbellsville College	1,010	0	0	0	1,010	0	0	0	0	0	0	0
Centre College	391	0	0	0	387	0	0	0	0	0	4	0
Cumberland College	2,041	0	0	0	2,041	0	0	0	0	0	0	0
Eastern Kentucky Univ	8,811	0	100	0	8,503	0	0	144	0	7	57	0
Georgetown College	769	0	0	0	769	0	0	0	0	0	0	0
Hazard Community College	269	0	0	0	269	0	0	0	0	0	0	0
Inst of Electronic Tech	344	0	0	0	344	0	0	0	0	0	0	0
Kentucky Christian Col	593	0	0	0	593	0	0	0	0	0	0	0
Kentucky Col of Business	1,466	0	0	0	1,466	0	0	0	0	0	0	0
Kentucky College of Tech	146	0	0	0	146	0	0	0	0	0	0	0
Kentucky State University	7,867	4,623	0	0	2,853	0	4	138	0	0	249	0
Kentucky Wesleyan College	584	0	0	0	584	0	0	0	0	0	0	0
Lees Junior College	482	0	0	0	482	0	0	0	0	0	0	0
Lindsey Wilson College	1,463	0	0	0	1,463	0	0	0	0	0	0	0
Louisville Pres Theol Sem	27	0	0	0	27	0	0	0	0	0	0	0
Mid-Cont Baptist Bible C	97	0	0	0	97	0	0	0	0	0	0	0
Midway College	417	0	0	0	417	0	0	0	0	0	0	0
Morehead State University	6,163	0	0	0	6,097	0	0	66	0	0	0	0
Murray State University	4,383	0	0	0	4,204	0	0	122	0	0	57	0
Northern Kentucky Univ	2,862	0	0	0	2,559	0	93	32	0	0	178	0
Pikeville College	1,570	0	0	0	1,570	0	0	0	0	0	0	0
RETS Electronic Institute	1,444	0	0	0	1,444	0	0	0	0	0	0	0
Spalding University	599	0	0	0	583	0	0	16	0	0	0	0
St Catharine College	196	0	0	0	196	0	0	0	0	0	0	0
Sue Bennett College	412	0	0	0	412	0	0	0	0	0	0	0
Thomas More College	608	0	0	0	608	0	0	0	0	0	0	0
Transylvania University	431	0	0	0	431	0	0	0	0	0	0	0
Union College	1,078	0	0	0	1,078	0	0	0	0	0	0	0
University of Kentucky	70,400	16,400	4,460	451	23,095	3,106	152	17,208	653	639	4,059	177
University of Louisville	14,709	0	0	103	5,861	164	87	7,530	0	402	562	0
Western Kentucky Univ	6,932	0	100	0	6,448	0	0	193	0	0	191	0
Louisiana, total	222,509	15,005	3,162	2,676	121,742	12,162	2,707	53,035	1,341	1,225	6,819	2,635
Delgado Community College	3,738	0	0	0	3,738	0	0	0	0	0	0	0
Dillard University	4,130	10	0	0	4,034	0	14	72	0	0	0	0
Grambling State Univ	12,646	0	0	199	11,676	0	0	594	40	0	137	0
Louisiana College	777	0	0	0	777	0	0	0	0	0	0	0
Louisiana State Univ	89,406	10,926	3,037	1,692	27,340	11,569	2,536	26,246	413	710	4,886	51
Louisiana Tech University	5,302	146	25	41	4,931	99	0	0	0	0	60	0
Loyola Univ - New Orleans	2,533	0	0	0	2,529	0	0	0	0	0	4	0

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Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Louisiana, cont'd												
LA St Univ System Office	1,269	29	0	0	0	220	0	0	690	0	0	330
McNeese State University	4,771	0	0	0	4,524	14	0	0	0	0	233	0
Nicholls State University	3,027	0	0	0	3,027	0	0	0	0	0	0	0
Northeast Louisiana Univ	7,380	0	0	0	7,179	0	80	6	23	92	0	0
Northwest State Univ	5,902	0	0	0	5,661	0	0	205	0	36	0	0
Notre Dame Sem Grad Sc Th	21	0	0	0	21	0	0	0	0	0	0	0
Our Lady Holy Cross Col	915	0	0	0	915	0	0	0	0	0	0	0
Southeastern LA Univ	5,346	0	0	0	5,014	0	0	332	0	0	0	0
Southern Technical Coll	854	0	0	0	854	0	0	0	0	0	0	0
Southern U & A&M College	23,909	3,894	0	102	18,134	100	0	1,130	50	309	190	0
St Joseph Seminary	82	0	0	0	82	0	0	0	0	0	0	0
Tulane University	29,245	0	0	289	5,017	0	0	20,593	0	140	958	2,248
Univ of Southwestern LA	12,056	0	0	0	11,077	160	0	399	148	7	259	6
Xavier University of LA	9,200	0	100	353	5,212	0	77	3,458	0	0	0	0
Maine, total	43,585	5,760	2,254	228	29,095	77	1,082	1,678	728	250	2,386	45
Andover College	332	0	0	0	332	0	0	0	0	0	0	0
Bangor Theol Seminary	107	0	0	0	107	0	0	0	0	0	0	0
Bates College	1,283	0	0	0	985	0	0	0	0	0	298	0
Beal College	243	0	0	0	243	0	0	0	0	0	0	0
Bowdoin College	1,637	0	0	0	951	0	0	0	0	50	636	0
Casco Bay College	186	0	0	0	186	0	0	0	0	0	0	0
Colby College	1,254	0	0	0	1,007	0	0	0	0	91	156	0
College of the Atlantic	322	0	0	0	318	0	0	0	4	0	0	0
Husson College	1,313	0	0	0	1,313	0	0	0	0	0	0	0
Maine Maritime Academy	535	0	0	0	535	0	0	0	0	0	0	0
Nasson College	1	0	0	0	1	0	0	0	0	0	0	0
Portland School of Art	291	0	0	0	291	0	0	0	0	0	0	0
St Joseph's College	307	0	0	0	307	0	0	0	0	0	0	0
Thomas College	520	0	0	0	520	0	0	0	0	0	0	0
Unity College	612	0	0	0	612	0	0	0	0	0	0	0
Univ of Maine Augusta	2,072	0	0	0	1,958	0	0	0	104	0	0	0
Univ of Maine Orono	17,071	5,547	0	156	7,920	77	1,082	440	620	109	1,075	45
Univ of Maine System Off	2,475	193	2,210	72	0	0	0	0	0	0	0	0
Univ of Maine, Farmington	2,009	20	0	0	1,989	0	0	0	0	0	0	0
Univ of Maine, Fort Kent	656	0	0	0	656	0	0	0	0	0	0	0
Univ of Maine, Machias	795	0	0	0	795	0	0	0	0	0	0	0
Univ Maine, Presque Isle	2,130	0	0	0	2,130	0	0	0	0	0	0	0
University of New England	1,655	0	0	0	952	0	0	703	0	0	0	0
University of Stn Maine	5,454	0	44	0	4,652	0	0	535	0	0	223	0
Westbrook College	325	0	0	0	325	0	0	0	0	0	0	0
Maryland, total	805,554	11,812	4,280	393,327	61,411	10,949	1,967	261,696	414	23,718	32,946	3,034
Allegany Community Col	4	0	0	0	0	0	0	0	0	0	4	0
Anne Arundel Cmty College	897	0	0	0	897	0	0	0	0	0	0	0
Balt Intl Culinary Arts I	181	0	0	0	181	0	0	0	0	0	0	0
Bowie State University	2,662	0	0	35	2,438	0	0	0	136	50	0	0
Catonsville Cmty College	21	0	0	0	0	0	0	21	0	0	0	0
Cecil Community College	291	0	0	0	0	0	0	291	0	0	0	0
Charles County Cmty Col	9	0	0	0	0	0	0	0	9	0	0	0
Col of Notre Dame of MD	424	0	0	0	313	0	0	0	0	111	0	0
Columbia Union College	336	0	0	0	336	0	0	0	0	0	0	0
Coppin State College	4,881	0	0	0	4,160	0	0	721	0	0	0	0
Eastern Christian College	18	0	0	0	18	0	0	0	0	0	0	0
Essex Community College	112	0	0	0	0	0	0	84	0	28	0	0
Frostburg State Univ	1,683	0	0	0	1,678	0	0	0	5	0	0	0
Goucher College	577	0	0	0	577	0	0	0	0	0	0	0
Hagerstown Business Coll	179	0	0	0	179	0	0	0	0	0	0	0
Hood College	563	0	0	0	563	0	0	0	0	0	0	0
Johns Hopkins University	616,048	154	295	378,231	8,401	2,325	353	209,488	4,920	9,733	2,148	0
Loyola College	1,272	0	0	125	582	0	4	0	0	0	561	0
Maryland Inst Col of Art	711	0	0	0	711	0	0	0	0	0	0	0
Montgomery College	3,707	1	0	0	3,674	0	0	0	0	32	0	0
Morgan State University	6,439	0	0	0	5,087	130	0	195	0	502	401	124
Mount St Mary's Col (MD)	365	0	0	0	334	0	0	0	0	31	0	0
Nar Israel Rabbinical Col	151	0	0	0	151	0	0	0	0	0	0	0
New Community College	2,632	0	0	0	2,632	0	0	0	0	0	0	0
Peabody Inst-J Hopkins U	259	0	0	0	259	0	0	0	0	0	0	0
Prince Georges Cmty Col	1,853	3	0	0	1,728	0	0	0	0	122	0	0
Salisbury State College	1,328	0	0	0	1,016	0	0	312	0	0	0	0
Sojourner-Douglas College	424	0	0	0	424	0	0	0	0	0	0	0
St John's College (MD)	423	0	0	0	423	0	0	0	0	0	0	0
St Mary's College of MD	234	0	0	0	234	0	0	0	0	0	0	0
St Mary's Sem & Univ	30	0	0	0	30	0	0	0	0	0	0	0
Towson State University	3,356	0	0	0	2,701	0	0	0	0	655	0	0
U of MD Baltimore County	7,057	0	0	43	2,660	36	0	2,143	240	1,840	95	0
U of MD Center for Eas	121	0	0	0	0	0	121	0	0	0	0	0
U of MD Eastern Shore	6,178	2,999	0	0	2,738	130	0	0	0	311	0	0

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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Maryland, cont'd												
U of MD University Coll	2,664	66	0	0	2,598	0	0	0	0	0	0	0
Univ of Maryland Sys Off	4,252	560	0	3,122	0	30	0	400	50	0	0	90
Univ of MD Balt Prof Sch	47,440	0	0	2,244	1,108	226	464	42,571	0	100	735	0
Univ of MD College Park	83,268	8,029	3,985	9,527	10,185	8,072	1,023	5,467	359	17,811	18,233	577
University of Baltimore	980	0	0	0	980	0	0	0	0	0	0	0
Villa Julie College	364	0	0	0	362	0	2	0	0	0	0	0
Wash Bible College	138	0	0	0	138	0	0	0	0	0	0	0
Washington College	259	0	0	0	217	0	0	0	0	0	42	0
Western Maryland College	755	0	0	0	698	0	0	0	0	0	57	0
Massachusetts, total	827,049	18,721	4,938	103,282	123,298	74,205	5,757	323,264	1,002	29,769	134,482	8,331
American Internatl Col	803	0	0	0	803	0	0	0	0	0	0	0
Amherst College	1,701	0	0	0	731	0	0	364	0	0	606	0
Anna Maria College	241	0	0	0	241	0	0	0	0	0	0	0
Assumption College	968	0	0	0	968	0	0	0	0	0	0	0
Atlantic Union College	546	0	0	0	546	0	0	0	0	0	0	0
Babson College	554	0	0	0	554	0	0	0	0	0	0	0
Bay Path College	290	0	0	0	290	0	0	0	0	0	0	0
Becker Jr College System Off	566	0	0	0	566	0	0	0	0	0	0	0
Bentley College	1,976	0	0	0	1,786	0	0	0	0	0	190	0
Berkshire Community Col	625	0	0	0	625	0	0	0	0	0	0	0
Boston Architectural Ctr	44	0	0	0	44	0	0	0	0	0	0	0
Boston College	9,427	0	0	0	4,842	0	108	3,074	155	181	866	201
Boston Conserv of Music	173	0	0	0	173	0	0	0	0	0	0	0
Boston University	75,650	0	100	6,394	10,866	3,017	111	47,010	0	1,010	7,142	0
Bradford College	171	0	0	0	171	0	0	0	0	0	0	0
Brandeis University	21,173	0	0	155	1,829	594	0	13,572	0	377	4,146	500
Bridgewater State College	1,755	0	0	0	1,755	0	0	0	0	0	0	0
Bristol Community College	1,745	0	0	0	1,745	0	0	0	0	0	0	0
Bunker Hill Community Col	1,711	0	0	0	1,711	0	0	0	0	0	0	0
Cambridge College	14	0	0	0	14	0	0	0	0	0	0	0
Cape Cod Community Col	1,260	0	0	0	1,124	0	0	136	0	0	0	0
Clark University	2,906	0	0	134	1,446	91	50	94	0	0	504	587
Col of the Holy Cross	1,361	0	0	0	1,203	0	0	0	0	0	158	0
Col of Our Lady of Elms	381	0	0	0	381	0	0	0	0	0	0	0
Curry College	383	0	0	0	378	0	0	0	0	0	5	0
Deen Junior College	389	0	0	0	389	0	0	0	0	0	0	0
Eastern Nazarene College	460	0	0	0	460	0	0	0	0	0	0	0
Emerson College	1,291	0	0	0	1,105	0	0	186	0	0	0	0
Emmanuel College	411	0	0	0	411	0	0	0	0	0	0	0
Endicott College	361	0	0	0	361	0	0	0	0	0	0	0
Fisher Junior College	1,346	0	0	0	1,346	0	0	0	0	0	0	0
Fitchburg State College	1,130	0	0	0	1,130	0	0	0	0	0	0	0
Forsyth Sch Dent Hygnsts	44	0	0	0	44	0	0	0	0	0	0	0
Framingham State College	635	0	0	0	635	0	0	0	0	0	0	0
Franklin Inst of Boston	174	0	0	0	144	0	0	0	0	0	30	0
Gordon College	819	0	0	0	819	0	0	0	0	0	0	0
Gordon-Conwell Theol Sem	128	0	0	0	128	0	0	0	0	0	0	0
Greenfield Community Col	892	0	0	0	837	0	0	0	0	0	55	0
Hampshire College	946	0	0	0	732	0	0	51	0	0	163	0
Harvard University	175,329	0	65	7,021	7,928	5,546	953	124,785	225	3,885	22,302	2,619
Hellenic Col Holy Cross	127	0	0	0	19	0	0	108	0	0	0	0
Holyoke Community College	1,755	0	0	0	1,755	0	0	0	0	0	0	0
Lasell Junior College	212	0	0	0	212	0	0	0	0	0	0	0
Lesley College	979	0	0	0	632	0	0	0	0	0	347	0
Marian Court Junior Coll	66	0	0	0	66	0	0	0	0	0	0	0
Mass Bay Community Col	666	0	0	0	666	0	0	0	0	0	0	0
Mass Col Phar/Allied Hlth	568	0	0	0	568	0	0	0	0	0	0	0
Mass College of Art	459	0	0	0	459	0	0	0	0	0	0	0
Mass Inst of Technology	247,655	0	2,791	49,509	5,923	59,693	539	58,633	341	21,415	45,721	3,090
Mass State Col Sys Off	555	0	0	0	0	555	0	0	0	0	0	0
Massasoit Community Col	1,662	0	0	0	1,662	0	0	0	0	0	0	0
Marrimack College	758	0	0	0	730	0	0	0	0	0	28	0
Montserrat College of Art	132	0	0	0	132	0	0	0	0	0	0	0
Mount Holyoke College	2,305	0	0	0	1,325	60	0	81	0	52	787	0
Mount Ida Junior College	777	0	0	0	777	0	0	0	0	0	0	0
Mount Wachusett Cmty Col	1,544	0	0	0	1,544	0	0	0	0	0	0	0
N E Col of Optometry	255	0	0	0	231	0	0	24	0	0	0	0
New England School of Law	163	0	0	0	161	0	2	0	0	0	0	0
Newbury College	1,023	0	0	0	1,023	0	0	0	0	0	0	0
Nichols College	237	0	0	0	237	0	0	0	0	0	0	0
North Adams State College	894	0	0	0	894	0	0	0	0	0	0	0
North Shore Cmty College	1,626	0	0	0	1,626	0	0	0	0	0	0	0
Northeastern University	22,961	0	0	1,849	11,120	503	2	4,778	8	126	4,437	138
Pine Manor College	116	0	0	0	116	0	0	0	0	0	0	0
Quinsigamond Cmty College	758	0	0	0	758	0	0	0	0	0	0	0
Radcliffe College	1,921	0	0	233	1,422	0	0	180	0	0	86	0
Regis College	548	0	0	131	417	0	0	0	0	0	0	0
Roxbury Community College	1,631	0	0	0	1,631	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other
Massachusetts, cont'd												
Salem State College	2,486	0	0	0	2,460	0	1	25	0	0	0	0
Sch-Museum Fine Arts-Bost	356	0	0	0	356	0	0	0	0	0	0	0
Simmons College	2,129	0	0	0	1,518	0	0	559	0	0	52	0
Simon's Rock	99	0	0	0	0	0	0	25	0	0	74	0
Smith College	2,876	0	42	0	1,766	0	0	568	0	0	500	0
Southeastern Mass Univ	3,271	709	0	0	2,309	0	0	0	0	0	253	0
Springfield College	1,041	0	0	0	1,041	0	0	0	0	0	0	0
Springfield Tech Cmty Col	136	0	0	0	0	0	0	136	0	0	0	0
St John's Seminary	31	0	0	0	31	0	0	0	0	0	0	0
Stonehill College	636	0	0	0	636	0	0	0	0	0	0	0
Suffolk University	1,654	0	0	0	1,654	0	0	0	0	0	0	0
Swain Sch of Design	3	0	0	0	3	0	0	0	0	0	0	0
Tufts University	43,658	11,303	0	381	2,304	1,017	3,241	23,786	31	30	1,565	0
Univ of Mass System Off	418	112	216	0	0	0	0	0	0	0	0	90
University of Lowell	9,588	0	0	5,081	2,872	115	0	1,127	0	40	353	0
University of Massachusetts	87,501	6,597	82	9,050	11,155	2,273	445	42,587	242	1,830	12,460	780
Wellesley College	2,881	0	0	109	1,228	0	0	740	0	119	526	159
Wentworth Inst of Tech	1,609	0	0	1,609	0	0	0	0	0	0	0	0
Western New England Col	1,120	0	0	10	1,011	14	0	0	0	0	85	0
Westfield State College	1,161	0	0	0	1,161	0	0	0	0	0	0	0
Wheaton College	627	0	0	0	595	0	0	0	0	32	0	0
Wheelock College	867	0	0	0	490	0	0	20	0	0	357	0
Williams College	1,723	0	0	0	976	0	0	153	0	45	549	0
Woods Hole Oceanogrphic Inst	53,690	0	1,623	21,259	0	601	301	261	0	429	29,216	0
Worcester Poly Institute	3,241	0	19	357	1,250	126	4	201	0	198	919	167
Worcester State College	1,115	0	0	0	1,115	0	0	0	0	0	0	0
Michigan, total	464,864	27,382	1,804	16,654	151,946	13,091	2,744	177,224	712	14,506	53,212	5,589
Adrian College	1,136	0	0	0	1,136	0	0	0	0	0	0	0
Albion College	889	0	0	0	683	0	0	28	0	0	178	0
Alma College	722	0	0	0	722	0	0	0	0	0	0	0
Andrews University	1,405	0	0	0	1,340	0	0	0	0	0	65	0
Aquinas College	1,314	0	0	0	1,314	0	0	0	0	0	0	0
Baker College of Flint	5,367	0	0	0	5,367	0	0	0	0	0	0	0
Calvin College	2,011	0	0	0	1,867	0	0	0	0	0	144	0
Calvin Theol Seminary	2	0	0	0	2	0	0	0	0	0	0	0
Central Michigan Univ	7,943	0	0	0	7,820	0	0	0	0	0	115	0
Charles Stewart Mott C C	3,753	0	0	0	3,753	0	0	0	0	0	0	0
Cleary College	585	0	0	0	585	0	0	0	0	0	0	0
Concordia College	548	0	0	0	548	0	0	0	0	0	0	0
Davenport College	5,119	0	0	0	5,119	0	0	0	0	0	0	0
Delta College	4,199	0	0	0	4,199	0	0	0	0	0	0	0
Detroit Col of Bus Admin	3,452	0	0	0	3,452	0	0	0	0	0	0	0
Eastern Michigan Univ	8,349	0	0	0	7,894	0	0	253	0	0	202	0
Ferris State College	6,643	0	0	0	6,546	0	0	97	0	0	0	0
Grace Bible College	77	0	0	0	77	0	0	0	0	0	0	0
Grand Rapids Bapt Col&Sem	527	0	0	0	527	0	0	0	0	0	0	0
Grand Valley State Univ	6,061	0	0	0	5,671	0	0	165	0	0	225	0
Great Lakes Bible College	100	0	0	0	100	0	0	0	0	0	0	0
Great Lakes JC of Busines	2,038	0	0	0	2,038	0	0	0	0	0	0	0
GMI Engr/Management Inst	226	0	0	0	0	0	0	0	0	0	226	0
Hillsdale College	1	0	0	0	1	0	0	0	0	0	0	0
Hope College	2,050	0	0	0	1,385	0	0	103	0	0	562	0
Jackson Community College	1,333	0	0	0	1,333	0	0	0	0	0	0	0
Jordan College	3,070	0	0	0	3,070	0	0	0	0	0	0	0
Kalamazoo College	1,221	0	0	0	1,206	0	0	0	0	0	15	0
Lansing Community College	5,308	0	0	0	5,308	0	0	0	0	0	0	0
Lawrence Technical Univ	68	0	0	0	0	0	0	0	0	0	68	0
Madonna College	1,553	0	0	0	1,456	0	0	97	0	0	0	0
Marygrove College	1,838	0	0	0	1,813	0	0	25	0	0	0	0
Mercy College of Detroit	1,272	0	0	0	1,205	0	0	67	0	0	0	0
Michigan Christian Col	283	0	0	0	283	0	0	0	0	0	0	0
Michigan State University	90,711	25,939	216	1,958	16,822	3,827	405	10,402	74	634	19,688	2,746
Michigan Tech University	7,730	310	0	1,767	2,994	99	104	87	409	259	1,237	464
Northern Michigan Univ	5,526	2	0	0	5,521	0	0	3	0	0	0	0
Northwood Institute	1,578	0	0	0	1,578	0	0	0	0	0	0	0
Oakland Community College	2,981	0	0	45	2,893	43	0	0	0	0	0	0
Oakland University	2,172	0	0	0	0	0	0	1,941	0	0	231	0
Olivet College	829	0	0	0	829	0	0	0	0	0	0	0
Reformed Bible College	110	0	0	0	110	0	0	0	0	0	0	0
Sacred Heart Seminary Col	10	0	0	0	10	0	0	0	0	0	0	0
Saginaw Valley State Col	5,617	0	0	0	2,756	0	0	11	0	2,800	50	0
Siena Heights College	1,020	0	0	0	1,020	0	0	0	0	0	0	0
Southwestern Michigan Col	1,243	0	0	0	1,243	0	0	0	0	0	0	0
Spring Arbor College	1,159	0	0	0	1,159	0	0	0	0	0	0	0
Suomi College	1,585	0	0	0	1,585	0	0	0	0	0	0	0
Thomas M Cooley Law Sch	298	0	0	0	0	0	0	298	0	0	0	0
University of Detroit	3,869	0	0	0	3,754	0	0	51	0	0	64	0
University of Michigan	210,453	1,109	1,588	11,853	16,339	8,736	2,157	128,658	166	10,428	27,045	2,374

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Michigan, cont'd												
Walsh Col Acctg&Bus Admin	223	0	0	0	223	0	0	0	0	0	0	0
Wayne County Cmty College	5,556	0	0	0	5,556	0	0	0	0	0	0	0
Wayne State University	31,162	0	0	906	0	300	3	26,910	63	195	2,700	5
Western Michigan Univ	10,544	14	0	45	9,411	86	75	326	0	190	397	0
Yeshiva Gedolah of G Det	25	0	0	0	25	0	0	0	0	0	0	0
Minnesota, total	264,550	17,054	841	10,101	98,383	4,658	1,490	105,128	845	3,247	22,541	262
Anoka-Ramsey Cmty College	1,736	0	0	0	1,736	0	0	0	0	0	0	0
Arrowhead CC-Hibbing Cam	3,108	0	0	0	2,998	0	0	110	0	0	0	0
Augsburg College	2,094	0	0	0	1,962	0	0	0	0	45	87	0
Austin Cmty Col (Minn)	497	0	0	0	497	0	0	0	0	0	0	0
Bemidji State University	4,906	0	0	0	4,900	0	0	0	0	0	0	0
Bethany Lutheran College	223	0	0	0	223	0	0	0	0	0	0	0
Bethel College & Seminary	1,334	0	0	0	1,214	0	0	0	0	0	120	0
Brainerd Community Col	928	0	0	0	928	0	0	0	0	0	0	0
Brown Institute	222	0	0	0	222	0	0	0	0	0	0	0
Carleton College	1,373	32	0	0	1,098	0	0	125	0	0	118	0
College of St Benedict	1,592	0	0	0	1,592	0	0	0	0	0	0	0
College of St Catherine	1,627	0	0	0	1,702	0	0	0	0	0	125	0
College of St Scholastica	25	0	0	0	0	0	0	25	0	0	0	0
College of St Teresa	7	0	0	0	7	0	0	0	0	0	0	0
College Associated Arts	84	0	0	0	84	0	0	0	0	0	0	0
Concordia Col Moorhead	1,941	0	0	0	1,941	0	0	0	0	0	0	0
Concordia Col St Paul	860	0	0	0	860	0	0	0	0	0	0	0
Dr Martin Luther College	255	0	0	0	255	0	0	0	0	0	0	0
Fergus Falls Cmty College	701	0	0	0	701	0	0	0	0	0	0	0
Gustavus Adolphus College	1,711	0	0	0	1,270	0	0	0	0	0	441	0
Hamline University	1,826	0	0	0	1,797	0	0	0	0	0	29	0
Inver Hills Cmty College	1,135	0	0	0	1,135	0	0	0	0	0	0	0
Itasca Community College	1,205	0	0	0	1,205	0	0	0	0	0	0	0
Lakewood Community Col	1,572	0	0	0	1,572	0	0	0	0	0	0	0
Luther Northwest Theo Sem	136	0	0	0	136	0	0	0	0	0	0	0
Macalester College	1,317	0	0	0	971	0	0	0	0	0	346	0
Mankato State University	7,704	0	0	0	7,511	0	0	92	0	0	101	0
Medical Institute of Minn	691	0	0	0	691	0	0	0	0	0	0	0
Mesabi Community College	784	0	0	0	784	0	0	0	0	0	0	0
Metro State Univ	571	0	0	0	571	0	0	0	0	0	0	0
Minn Cmty Col System Off	329	0	0	0	0	0	0	0	329	0	0	0
Minneapolis Community Col	3,156	0	0	0	3,156	0	0	0	0	0	0	0
Minnesota Bible College	71	0	0	0	71	0	0	0	0	0	0	0
Moorhead State University	6,085	0	0	0	5,519	0	0	3	0	0	563	0
Normandale Community Col	1,788	0	0	0	1,788	0	0	0	0	0	0	0
North Central Bible Col	784	0	0	0	784	0	0	0	0	0	0	0
North Hennepin Cmty Col	1,527	0	0	0	1,527	0	0	0	0	0	0	0
Northland Cmty College	529	0	0	0	529	0	0	0	0	0	0	0
Northwest Technical Inst	27	0	0	0	27	0	0	0	0	0	0	0
Northwestern Col (Minn)	311	0	0	0	311	0	0	0	0	0	0	0
Pillsbury Bptst Bible C	236	0	0	0	236	0	0	0	0	0	0	0
Rainy River Community Col	343	0	0	0	343	0	0	0	0	0	0	0
Rochester Community Col	1,889	0	0	0	1,889	0	0	0	0	0	0	0
Southwest State Univ	2,077	0	0	0	2,077	0	0	0	0	0	0	0
St Cloud Business College	268	0	0	0	268	0	0	0	0	0	0	0
St Cloud State University	7,482	0	100	0	7,340	0	0	0	0	0	42	0
St John's University	1,317	0	0	0	1,255	0	0	0	0	0	62	0
St Mary's College	914	0	0	0	906	0	0	0	0	0	8	0
St Olaf College	2,539	0	0	0	1,834	0	0	0	0	0	705	0
St U Sys of Minn-Sys Off	1,451	0	0	0	0	0	0	1,451	0	0	0	0
Univ of Saint Thomas	1,983	0	0	0	1,765	0	0	93	0	0	125	0
University of Minnesota	181,694	17,022	741	10,101	20,828	4,658	1,490	103,205	516	3,202	19,669	262
Vermilion Community Col	430	0	0	0	430	0	0	0	0	0	0	0
Willmar Community College	1,111	0	0	0	1,111	0	0	0	0	0	0	0
Winona State University	3,036	0	0	0	3,018	0	0	18	0	0	0	0
Wm Mitchell Col of Law	356	0	0	0	356	0	0	0	0	0	0	0
Worthington Community Col	452	0	0	0	452	0	0	0	0	0	0	0
Mississippi, total	144,588	30,609	1,864	1,927	83,194	5,153	32	12,711	2,039	1,660	4,976	423
Alcorn State University	9,847	3,211	0	0	6,483	0	0	153	0	0	0	0
Belhaven College	422	0	0	0	422	0	0	0	0	0	0	0
Blue Mountain College	353	0	0	0	353	0	0	0	0	0	0	0
Clarke College	169	0	0	0	169	0	0	0	0	0	0	0
Coahoma Community College	3,796	0	0	0	3,766	30	0	0	0	0	0	0
Copiah-Lincoln Jr Col	1,608	0	0	0	1,608	0	0	0	0	0	0	0
Delta State University	2,348	0	0	0	2,313	0	0	0	0	0	35	0
Hinds Junior College	4,070	0	0	0	4,070	0	0	0	0	0	0	0
Jackson State University	17,537	0	0	271	12,282	1,811	22	1,583	521	267	635	145
Magnolia Bible College	43	0	0	0	43	0	0	0	0	0	0	0
Mary Holmes College	2,335	0	0	0	2,335	0	0	0	0	0	0	0
Meridian Junior College	42	0	0	0	0	0	0	0	0	0	42	0

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Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Mississippi, cont'd												
Hillsaps College	670	0	0	0	670	0	0	0	0	0	0	0
Miss Gif Cst JC Perkinstn	87	0	0	0	0	0	0	87	0	0	0	0
Miss University for Women	1,520	0	0	0	1,353	0	0	167	0	0	0	0
Miss Valley State Univ	6,156	598	100	0	5,438	0	10	0	0	10	0	0
Miss-Ala Sea Grant Cnstrtm	1,640	0	1,640	0	0	0	0	0	0	0	0	0
Mississippi College	1,589	0	0	0	1,551	0	0	38	0	0	0	0
Mississippi State Univ	34,267	17,530	24	500	8,287	3,127	0	641	184	734	3,056	184
Phillips Col of Jackson	1,053	0	0	0	1,053	0	0	0	0	0	0	0
Phillips College	1,461	0	0	0	1,461	0	0	0	0	0	0	0
Prattiss Norm & Ind Inst	41	0	0	0	41	0	0	0	0	0	0	0
Rust College	3,600	12	0	0	3,303	0	0	285	0	0	0	0
San Joaquin Col of Law	63	0	0	0	63	0	0	0	0	0	0	0
Southeastern Baptist Col	43	0	0	0	43	0	0	0	0	0	0	0
Tougaloo College	3,721	0	0	0	3,030	0	0	691	0	0	0	0
Univ of Strm Mississippi	14,704	2,634	100	635	9,967	0	0	202	0	346	820	0
University of Mississippi	29,349	6,624	0	521	11,036	185	0	8,864	1,334	303	368	94
Wesley College	74	0	0	0	74	0	0	0	0	0	0	0
William Carey College	1,614	0	0	0	1,614	0	0	0	0	0	0	0
Wood Junior College	366	0	0	0	366	0	0	0	0	0	0	0
Missouri, total	288,256	21,200	215	3,266	90,146	3,267	243	149,843	2,176	3,198	14,579	123
Assemblies of God Grad Sc	45	0	0	0	45	0	0	0	0	0	0	0
Avila College	688	0	0	0	678	0	0	10	0	0	0	0
Baptist Bible College	761	0	0	0	761	0	0	0	0	0	0	0
Calvary Bible Col	134	0	0	0	134	0	0	0	0	0	0	0
Central Bible College	963	0	0	0	963	0	0	0	0	0	0	0
Central Methodist College	691	0	0	0	691	0	0	0	0	0	0	0
Central Missouri St Univ	5,274	0	0	0	5,213	0	0	25	0	0	36	0
Cleveland Chiro College	110	0	0	0	110	0	0	0	0	0	0	0
Cntrl Christian Col Bible	52	0	0	0	52	0	0	0	0	0	0	0
College of The Ozarks	1,742	0	0	0	1,742	0	0	0	0	0	0	0
Columbia College (MO)	1,822	0	0	0	1,822	0	0	0	0	0	0	0
Conception Sem College	74	0	0	0	74	0	0	0	0	0	0	0
Concordia Seminary	82	0	0	0	82	0	0	0	0	0	0	0
Cottay College	145	0	0	0	145	0	0	0	0	0	0	0
Culver-Stockton College	639	0	0	0	639	0	0	0	0	0	0	0
Drury College	15	0	0	0	0	0	0	0	0	0	15	0
Eden Theological Seminary	7	0	0	0	7	0	0	0	0	0	0	0
Evangel College	1,264	0	0	0	1,264	0	0	0	0	0	0	0
Fontbonne College	481	0	0	0	481	0	0	0	0	0	0	0
ITT Tech Inst-St Louis	199	0	0	0	199	0	0	0	0	0	0	0
Jefferson College	6	0	0	0	6	0	0	0	0	0	0	0
Kansas City Art Inst	526	0	0	0	526	0	0	0	0	0	0	0
Kemper Military Sch & Col	211	0	0	0	211	0	0	0	0	0	0	0
Kirksville Col Osteo Med	1,231	0	0	0	231	0	0	1,000	0	0	0	0
Lincoln University (MO)	6,758	3,942	0	0	2,474	0	0	313	29	0	0	0
Longview Community Col	1,786	0	0	0	1,786	0	0	0	0	0	0	0
Maple Woods Community Col	988	0	0	0	988	0	0	0	0	0	0	0
Maryville College	503	0	0	0	503	0	0	0	0	0	0	0
Missouri Baptist College	402	0	0	0	402	0	0	0	0	0	0	0
Missouri Southern St Col	3,312	0	0	0	3,312	0	0	0	0	0	0	0
Missouri Valley College	1,245	0	0	0	1,245	0	0	0	0	0	0	0
Missouri Western St Col	2,791	0	0	0	2,791	0	0	0	0	0	0	0
Northeast Missouri St U	2,151	0	0	0	2,151	0	0	0	0	0	0	0
Northwest Missouri St U	2,850	0	0	0	2,850	0	0	0	0	0	0	0
Ozark Bible College	417	0	0	0	417	0	0	0	0	0	0	0
Park College	2,578	0	0	0	2,578	0	0	0	0	0	0	0
Penn Valley Community C	2,497	0	0	0	2,497	0	0	0	0	0	0	0
Phillips Jr C-Springfield	405	0	0	0	405	0	0	0	0	0	0	0
Research Col of Nursing	70	0	0	0	70	0	0	0	0	0	0	0
Rockhurst College	848	0	0	0	848	0	0	0	0	0	0	0
Southeast Missouri St U	4,848	0	0	0	4,202	0	0	0	0	0	646	0
Southwest Baptist College	2,330	0	0	0	2,330	0	0	0	0	0	0	0
Southwest Missouri St U	9,199	0	0	0	8,727	0	0	0	0	0	472	0
St Louis Christian Coll	81	0	0	0	81	0	0	0	0	0	0	0
St Louis Col of Pharmacy	473	0	0	0	441	0	0	32	0	0	0	0
St Louis Community Col	6,482	0	0	0	6,457	0	0	25	0	0	0	0
St Louis University	16,238	0	127	197	2,096	0	0	12,168	605	55	729	61
St Louis Rabbinical C	10	0	0	0	10	0	0	0	0	0	0	0
Stephens College	204	0	0	0	204	0	0	0	0	0	0	0
Tarkio College	646	0	0	0	646	0	0	0	0	0	0	0
The Lindenwood Colleges	737	0	0	0	737	0	0	0	0	0	0	0
Univ of Health Sciences	105	0	0	0	0	0	0	105	0	0	0	0
Univ of Missouri Columbia	45,855	16,825	0	274	7,356	641	143	16,115	166	154	4,180	1
Univ of Missouri Kan City	7,303	0	0	105	3,397	106	0	3,421	0	0	269	5
Univ of Missouri Rolla	5,273	0	0	75	1,434	788	0	99	1,167	217	1,490	0
Univ of Missouri St Louis	4,157	0	0	65	2,425	0	0	418	0	30	1,219	0
Univ of Missouri Sys Off	1,826	31	88	428	1,214	0	0	0	9	0	0	56
Washington University	134,042	399	0	2,122	5,323	1,732	100	116,101	0	2,742	5,523	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Missouri, cont'd												
Wentworth Military Acad	165	0	0	0	165	0	0	0	0	0	0	0
Westminster College	236	0	0	0	236	0	0	0	0	0	0	0
William Jewell College	888	0	0	0	888	0	0	0	0	0	0	0
William Woods College	395	0	0	0	384	0	0	11	0	0	0	0
Montana, total	44,755	6,088	100	239	23,529	51	1,073	3,644	4,162	447	5,311	111
Blackfeet Community Col	1,429	0	0	0	536	0	0	220	673	0	0	0
Carroll College	908	0	0	0	908	0	0	0	0	0	0	0
College of Great Falls	921	0	0	0	921	0	0	0	0	0	0	0
Dull Knife Memorial Col	636	0	0	0	276	0	0	0	360	0	0	0
Eastern Montana College	3,419	0	0	0	3,323	0	0	0	5	0	91	0
Fort Belknap College	259	0	0	0	0	0	0	0	259	0	0	0
Fort Peck Cmty College	899	0	0	0	425	0	0	0	474	0	0	0
Little Big Horn College	969	0	0	0	507	0	0	0	462	0	0	0
Miles Community College	878	0	0	0	876	0	0	2	0	0	0	0
Mont Col Minr Sci & Tech	890	1	0	0	0	0	333	35	145	0	376	0
Montana State University	21,125	5,605	100	239	7,544	51	519	2,232	332	148	4,244	111
Montana U Sys-System Off	230	0	0	0	230	0	0	0	0	0	0	0
Northern Montana College	1,541	0	0	0	1,529	0	0	12	0	0	0	0
Rocky Mountain College	816	0	0	0	816	0	0	0	0	0	0	0
Salish Kootenai Cmty Col	3,834	2	0	0	2,890	0	0	5	901	0	36	0
Stone Child College	910	0	0	0	566	0	0	0	344	0	0	0
University of Montana	4,178	480	0	0	1,269	0	221	1,133	212	299	564	0
Western Montana College	913	0	0	0	913	0	0	0	0	0	0	0
Nebraska, total	78,377	15,848	387	829	34,706	322	72	18,166	562	678	3,860	2,947
Bellevue College	693	0	0	0	693	0	0	0	0	0	0	0
Bishop Clarkson Mem Hsp C	175	0	0	0	175	0	0	0	0	0	0	0
Chadron State College	2,190	0	0	0	1,867	0	0	0	0	0	323	0
College of St Mary	690	0	0	0	690	0	0	0	0	0	0	0
Concordia Teachers Col	711	0	0	0	711	0	0	0	0	0	0	0
Craigton University	7,073	0	0	100	3,454	0	0	3,456	0	0	63	0
Dana College	428	0	0	0	428	0	0	0	0	0	0	0
Doane College	772	0	0	0	753	0	0	0	0	0	19	0
Grace Col of the Bible	153	0	0	0	153	0	0	0	0	0	0	0
Hastings College	637	0	0	0	637	0	0	0	0	0	0	0
Kearney State College	5,070	0	0	0	5,070	0	0	0	0	0	0	0
Metropolitan Comm Col	2	2	0	0	0	0	0	0	0	0	0	0
Mid Plains Cmty Col Area	1	0	0	0	0	0	0	0	0	0	0	1
Midland Lutheran College	858	0	0	0	850	0	0	8	0	0	0	0
Nebraska Christian Col	131	0	0	0	131	0	0	0	0	0	0	0
Nebraska Indian Cmty Col	341	0	0	0	0	0	0	0	341	0	0	0
Nebraska Wesleyan Univ	828	0	0	0	772	0	0	0	0	0	56	0
Northeast Tech Cmty Col	11	0	0	0	0	0	0	0	0	0	11	0
Peru State College	1,249	0	0	0	1,249	0	0	0	0	0	0	0
Southeast Neb Tech CC S O	9	9	0	0	0	0	0	0	0	0	0	0
U of Neb Med Ctr at Omaha	12,785	0	0	0	798	0	0	11,987	0	0	0	0
U Neb Ctr Admin Sys Off	233	26	0	0	0	0	0	0	117	0	0	90
Union College (Neb)	556	0	0	0	556	0	0	0	0	0	0	0
Univ of Nebraska at Omaha	4,913	0	0	0	4,500	0	0	134	104	0	175	0
Univ of Nebraska-Lincoln	35,709	15,811	387	729	9,060	322	72	2,581	0	678	3,213	2,856
Wayne State College	1,783	0	0	0	1,783	0	0	0	0	0	0	0
York College	376	0	0	0	376	0	0	0	0	0	0	0
Nevada, total	35,768	2,684	1,553	154	9,999	3,488	6,818	4,552	1,775	291	4,365	89
Clark County Cmty College	820	0	0	0	820	0	0	0	0	0	0	0
Desert Research Institute	5,060	0	504	0	0	2,914	535	0	0	60	1,047	0
Northern Nevada Cmty Col	200	0	0	0	200	0	0	0	0	0	0	0
Sierra Nevada College	136	0	0	0	136	0	0	0	0	0	0	0
Truckee Meadows Cmty Col	2,980	0	0	0	2,980	0	0	0	0	0	0	0
U of Nev Sys Adm Sys Off	1,674	0	949	84	0	0	0	0	0	0	641	0
Univ of Nevada - Reno	14,455	2,684	100	70	2,122	574	406	4,552	1,181	231	2,446	89
Univ of Nevada Las Vegas	10,002	0	0	0	3,312	0	5,877	0	594	0	219	0
Western Nevada Cmty Col	441	0	0	0	429	0	0	0	0	0	12	0
New Hampshire, total	70,324	3,682	2,663	2,712	13,532	1,281	853	29,767	256	9,301	6,114	163
Castle Junior College	44	0	0	0	44	0	0	0	0	0	0	0
Colby-Sawyer College	236	0	0	0	236	0	0	0	0	0	0	0
Dartmouth College	36,294	230	0	2,121	2,990	576	0	27,509	0	916	1,952	0
Franklin Pierce College	676	0	0	0	676	0	0	0	0	0	0	0
Hesser College	673	0	0	0	673	0	0	0	0	0	0	0
Keene State College	1,791	0	0	0	1,653	0	4	91	0	0	43	0
McIntosh College	208	0	0	0	208	0	0	0	0	0	0	0
Nathaniel Hawthorne Col	8	0	0	0	8	0	0	0	0	0	0	0
New England College	1,034	0	0	0	1,034	0	0	0	0	0	0	0
New Hampshire College	891	0	0	0	891	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges.
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New Hampshire, cont'd												
Notre Dame College (NH)	179	0	0	0	179	0	0	0	0	0	0	0
NH Tech Col-Claremont	150	0	0	0	150	0	0	0	0	0	0	0
NH Tech Col-Laconia	129	0	0	0	129	0	0	0	0	0	0	0
NH Tech Col-Stratham	130	0	0	0	130	0	0	0	0	0	0	0
Plymouth St Col- Univ N H	1,464	0	0	0	1,462	0	2	0	0	0	0	0
Rivier College	284	0	0	0	284	0	0	0	0	0	0	0
St Anselm College	900	0	0	0	813	0	0	87	0	0	0	0
Univ of New Hampshire	24,694	3,452	2,663	491	1,918	705	847	1,727	224	8,385	4,119	163
Univ Sys of N Hamp Sys Of	485	0	0	100	0	0	0	353	32	0	0	0
White Pines College	38	0	0	0	38	0	0	0	0	0	0	0
New Jersey, total	230,188	8,439	2,186	18,092	72,741	8,277	3,876	78,176	305	5,057	32,749	290
Berkley School, The	250	0	0	0	250	0	0	0	0	0	0	0
Bloomfield College	1,313	0	0	0	1,313	0	0	0	0	0	0	0
Brookdale Community Col	895	0	0	0	895	0	0	0	0	0	0	0
Burlington County College	761	0	0	0	761	0	0	0	0	0	0	0
Caldwell College	271	0	0	0	271	0	0	0	0	0	0	0
Camden County College	1,575	0	0	0	1,483	0	0	0	0	0	92	0
Centenary College	290	0	0	0	290	0	0	0	0	0	0	0
College of St Elizabeth	262	0	0	0	262	0	0	0	0	0	0	0
County College of Morris	725	0	0	0	725	0	0	0	0	0	0	0
Cumberland County College	925	0	0	0	925	0	0	0	0	0	0	0
Drew University	729	0	0	0	705	0	0	0	0	0	24	0
Fairleigh Dickinson Univ	3,647	0	635	0	2,947	0	0	15	0	0	50	0
Felician College (NJ)	208	0	0	0	208	0	0	0	0	0	0	0
Georgian Court College	630	0	0	0	630	0	0	0	0	0	0	0
Glassboro State College	2,870	0	0	0	2,870	0	0	0	0	0	0	0
Gloucester County College	733	0	0	0	733	0	0	0	0	0	0	0
Jersey City State College	2,441	0	0	0	2,441	0	0	0	0	0	0	0
Katherine Gibbs Sch (NJ)	340	0	0	0	340	0	0	0	0	0	0	0
Kean Col of New Jersey	2,400	0	0	0	2,400	0	0	0	0	0	0	0
Mercer County Cmty Col	1,786	0	0	0	1,786	0	0	0	0	0	0	0
Monmouth College (NJ)	1,140	0	0	0	1,082	0	0	0	0	0	58	0
Montclair State College	3,338	0	0	0	3,243	0	0	0	0	0	95	0
N J Inst of Technology	5,734	0	0	109	2,271	211	1,964	0	0	0	1,114	63
Northeastern Bible Col	35	0	0	0	35	0	0	0	0	0	0	0
Passaic County Cmty Col	1,847	0	0	0	1,847	0	0	0	0	0	0	0
Princeton Theol Sem	105	0	0	0	105	0	0	0	0	0	0	0
Princeton University	58,764	0	1,192	8,849	4,279	6,230	708	15,041	116	4,089	18,260	0
Rabbinical C of America	242	0	0	0	242	0	0	0	0	0	0	0
Rider College	4,570	0	0	0	4,423	0	0	110	0	37	0	0
Rutgers the St Univ of NJ	68,568	8,320	349	7,467	16,071	1,227	230	21,114	108	615	12,040	227
Salem Community College	314	0	0	0	314	0	0	0	0	0	0	0
Seton Hall University	4,137	0	0	0	3,458	45	0	628	0	0	0	0
St Peter's College	1,492	0	0	0	1,492	0	0	0	0	0	0	0
Stevens Institute of Tech	3,673	0	10	701	2,091	278	0	66	62	465	0	0
Stockton State College	1,444	0	0	0	1,444	0	0	0	0	0	0	0
Talmudical Inst Ctrl Jars	44	0	0	0	44	0	0	0	0	0	0	0
Thomas A Edison College	15	0	0	0	15	0	0	0	0	0	0	0
Trenton State College	1,703	0	0	0	1,703	0	0	0	0	0	0	0
Union County College	2,017	0	0	0	2,017	0	0	0	0	0	0	0
Univ of Med & Dent of N J	45,383	94	0	966	983	286	974	41,283	0	254	543	0
Upsala College	1,017	0	0	0	1,017	0	0	0	0	0	0	0
William Paterson College	1,555	25	0	0	1,530	0	0	0	0	0	0	0
New Mexico, total	112,413	5,670	143	18,122	33,190	9,999	264	17,268	337	18,204	9,205	11
College of Santa Fe	1,624	0	0	0	1,535	0	0	89	0	0	0	0
Eastern New Mexico Univ	9,763	0	0	0	9,754	0	0	0	0	0	9	0
N Mex Inst Mining & Tech	5,368	0	0	1,046	759	2,220	0	145	163	1,035	0	0
New Mexico Highlands Univ	3,947	0	0	0	3,269	0	0	461	3	214	0	0
New Mexico Junior College	730	0	0	0	730	0	0	0	0	0	0	0
New Mexico Military Inst	158	0	0	0	158	0	0	0	0	0	0	0
New Mexico State Univ	61,934	5,667	100	16,223	12,352	6,135	84	1,022	168	16,683	3,500	0
Northrn N Mex Cmty Col	1,706	0	0	0	1,706	0	0	0	0	0	0	0
San Juan College	970	0	0	0	943	0	0	1	16	10	0	0
University of New Mexico	24,591	3	43	853	362	1,644	180	15,695	5	1,348	4,447	11
Western New Mexico Univ	1,622	0	0	0	1,622	0	0	0	0	0	0	0
New York, total	1,277,984	22,793	6,743	56,379	309,042	49,032	6,013	626,219	2,281	21,453	175,423	2,606
Adelphi University	1,833	0	0	0	1,550	0	0	263	0	0	20	0
Albany Col of Pharmacy	383	0	0	0	371	0	0	12	0	0	0	0
Albany Medical College	7,772	0	0	0	217	0	7,498	0	0	0	57	0
Alfred University	1,441	0	0	0	1,135	0	0	0	0	0	306	0
Assoc Beth Rivkah Schools	335	0	0	0	335	0	0	0	0	0	0	0
Bais Fruma	3,450	0	0	0	3,450	0	0	0	0	0	0	0
Bais Madrash L'Torah	23	0	0	0	23	0	0	0	0	0	0	0
Bank Street Col of Ed	1,768	0	0	0	1,768	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: Fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DCE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Bard College	635	0	0	0	635	0	0	0	0	0	0	0
Barnard College	1,461	0	0	0	912	0	0	463	0	0	0	86
Belzer Yesh-Machzikei Sem	1,422	0	0	0	1,422	0	0	0	0	0	0	0
Berkeley Sch-Hicksville	80	0	0	0	80	0	0	0	0	0	0	0
Berkeley School - N York	669	0	0	0	669	0	0	0	0	0	0	0
Beth Haimud Col	179	0	0	0	179	0	0	0	0	0	0	0
Beth Israel Sch Nursing	114	0	0	0	114	0	0	0	0	0	0	0
Beth Jacob Hebr Tchrs Col	3,264	0	0	0	3,264	0	0	0	0	0	0	0
Beth Medrash Emek Halech	29	0	0	0	29	0	0	0	0	0	0	0
Beth Medrash Eyren Hatal	1,915	0	0	0	1,915	0	0	0	0	0	0	0
Bnos Jersusalem Seminary	1,703	0	0	0	1,703	0	0	0	0	0	0	0
Borwick College	2,484	0	0	0	2,484	0	0	0	0	0	0	0
Bramson Ort Tech Inst	1,355	0	0	0	1,355	0	0	0	0	0	0	0
Brooklyn Law School	191	0	0	0	191	0	0	0	0	0	0	0
Bryant & Stratton-Albany	283	0	0	0	283	0	0	0	0	0	0	0
Bryant & Stratton-Buffalo	4,384	0	0	0	4,384	0	0	0	0	0	0	0
Bryant & Stratton-Roch	853	0	0	0	853	0	0	0	0	0	0	0
Bryant & Stratton-Syracus	797	0	0	0	797	0	0	0	0	0	0	0
Canisius College	3,409	0	0	0	3,105	0	0	94	0	0	210	0
Catholic Medical Center	1,162	0	0	0	49	0	0	1,113	0	0	0	0
Cayuga County Cmty Col	1,039	0	0	0	1,039	0	0	0	0	0	0	0
Cazenovia College	870	0	0	0	870	0	0	0	0	0	0	0
Clarkson University	6,359	0	127	629	1,731	389	0	171	98	1,889	1,325	0
Col of Insurance	53	0	0	0	53	0	0	0	0	0	0	0
Col of Mount St Vincent	586	0	0	0	586	0	0	0	0	0	0	0
Colgate University	1,237	0	0	0	899	0	0	87	0	0	251	0
College for Human Service	1,050	0	0	0	1,050	0	0	0	0	0	0	0
College of New Rochelle	5,298	0	0	0	4,445	0	0	39	0	0	814	0
Columbia U Teachers Col	849	0	0	0	849	0	0	0	0	0	0	0
Columbia Univ Male Div	2,958	0	0	0	2,958	0	0	0	0	0	0	0
Columbia Univ Sys Off	181,551	5	736	10,075	11,917	7,047	480	111,396	1,407	5,498	32,810	100
Concordia College (NY)	903	0	0	0	0	0	0	591	0	0	312	0
Cooper Union	206	0	0	0	206	0	0	0	0	0	0	0
Cornell University	80	0	0	0	0	0	0	0	0	0	80	0
Culinary Inst of America	196,461	21,730	382	13,850	11,346	4,445	1,293	70,632	445	5,854	65,186	1,298
CUNY Barnard Baruch Col	1,262	0	0	0	1,262	0	0	0	0	0	0	0
CUNY Bronx Cmty College	303	0	0	0	0	0	1	163	0	0	139	0
CUNY Brooklyn College	477	0	0	0	63	70	0	344	0	0	0	0
CUNY Central Sys Off	1,598	0	0	0	0	0	0	727	0	72	799	0
CUNY City College	2,496	0	0	305	0	749	0	0	0	138	307	997
CUNY Col Staten Island	12,046	0	0	463	0	924	0	5,128	0	462	5,069	0
CUNY Grad Sch & Univ Ctr	458	0	0	158	0	0	0	258	0	0	42	0
CUNY H.H. Lehman Coll	2,240	0	0	0	0	0	0	1,786	0	0	454	0
CUNY Hunter College	1,244	0	0	0	0	0	0	793	0	0	451	0
CUNY Jhn Jay Col Crim Jus	6,196	0	0	0	0	100	0	5,337	0	0	748	11
CUNY Kingsboro Cmty Col	232	0	0	0	0	0	0	232	0	0	0	0
CUNY Laguardia Cmty Col	3	0	0	0	0	0	0	0	0	0	0	0
CUNY Medgar Evers College	140	0	0	0	0	0	0	113	0	0	27	0
CUNY Mount Sinai Schl Med	404	0	0	0	0	0	0	404	0	0	0	0
CUNY NY City Tech Col	51,910	0	0	0	4,205	101	86	47,151	0	216	151	0
CUNY Queens College	315	0	0	0	0	0	0	236	0	0	79	0
CUNY Queensboro Cmty Col	2,070	0	0	0	0	138	0	1,263	0	0	669	0
CUNY York College	98	0	0	0	0	0	0	0	0	0	98	0
D'Youville College	608	0	0	0	0	0	0	608	0	0	0	0
Daemen College	1,301	0	0	0	1,099	0	0	202	0	0	0	0
Darkei No'am Rabbinical C	1,478	0	0	0	1,478	0	0	0	0	0	0	0
Derech Ayson Rabbim Sem	26	0	0	0	26	0	0	0	0	0	0	0
Dominican Col of Blauvelt	1,081	0	0	0	1,081	0	0	0	0	0	0	0
Dowling College	325	0	0	0	190	0	0	135	0	0	0	0
Elmira College	1,496	0	0	0	1,496	0	0	0	0	0	0	0
Elmira College	668	0	0	0	668	0	0	0	0	0	0	0
Five Towns College	336	0	0	0	336	0	0	0	0	0	0	0
Fordham University	4,904	0	0	0	3,297	0	0	1,452	0	0	155	0
Friends World College	209	0	0	0	209	0	0	0	0	0	0	0
Grad Schl of Poltcl Mngmt	140	0	0	0	140	0	0	0	0	0	0	0
Hamilton College	1,114	0	0	0	644	0	0	62	0	0	408	0
Hartwick College	713	0	0	0	713	0	0	0	0	0	0	0
Hilbert College	557	0	0	0	557	0	0	0	0	0	0	0
Robert-Wm Smith Colleges	763	0	0	0	701	0	0	0	0	0	62	0
Hofstra University	3,687	0	0	29	3,382	0	0	184	0	92	0	0
Houghton College	824	0	0	0	824	0	0	0	0	0	0	0
Interboro Institute	1,598	0	0	0	1,598	0	0	0	0	0	0	0
Iona College	3,610	0	0	0	3,552	0	0	0	0	0	58	0
Ithaca College	2,168	0	0	0	1,833	0	0	0	0	0	335	0
Jamestown Bus College	305	0	0	0	305	0	0	0	0	0	0	0
Jasode Hatorah	2,078	0	0	0	2,078	0	0	0	0	0	0	0
Jewish Theol Sem of Amer	213	0	0	0	213	0	0	0	0	0	0	0
Juilliard School	475	0	0	0	475	0	0	0	0	0	0	0
Katherine Gibbs School	566	0	0	0	566	0	0	0	0	0	0	0
Kehilath Yakov Rab Sem	219	0	0	0	219	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Kean College	698	0	0	0	698	0	0	0	0	0	0	0
King's College (NY)	338	0	0	0	338	0	0	0	0	0	0	0
Kol Yashov Torah Center	81	0	0	0	81	0	0	0	0	0	0	0
Lab Inst of Merchandising	81	0	0	0	81	0	0	0	0	0	0	0
Le Moyne College	1,059	0	0	25	1,019	0	0	0	0	0	0	25
Long Island University	9,074	0	0	0	8,574	0	0	145	0	0	0	355
LI Sam Jew Stud Women	270	0	0	0	270	0	0	0	0	0	0	0
Machzikei Hadath Rab Col	149	0	0	0	149	0	0	0	0	0	0	0
Manhattan College	1,856	0	0	0	1,245	18	324	103	0	0	0	166
Manhattanville College	539	0	0	0	539	0	0	0	0	0	0	0
Mannes Col of Music	79	0	0	0	79	0	0	0	0	0	0	0
Marie College of Albany	266	0	0	0	266	0	0	0	0	0	0	0
Marist College	2,784	0	0	0	2,782	0	2	0	0	0	0	0
Marymount College (NY)	815	0	0	0	790	0	0	25	0	0	0	0
Marymount Manhattan Col	454	0	0	0	454	0	0	0	0	0	0	0
Mater Dei College	560	0	0	0	560	0	0	0	0	0	0	0
Medaille College	1,123	0	0	0	1,123	0	0	0	0	0	0	0
Mercy College	4,214	0	0	0	4,214	0	0	0	0	0	0	0
Mes Tor Vodaath Rabin Sam	216	0	0	0	216	0	0	0	0	0	0	0
Mesivta Estn Phay Rab Sam	79	0	0	0	79	0	0	0	0	0	0	0
Mesivta Tifereth Jere Am	101	0	0	0	101	0	0	0	0	0	0	0
Mirrer Yashiva Cant Inst	169	0	0	0	169	0	0	0	0	0	0	0
Molloy College	1,037	0	0	0	1,037	0	0	0	0	0	0	0
Mount St Mary College	826	0	0	0	826	0	0	0	0	0	0	0
N Y Col of Podiatric Med	277	0	0	0	135	0	0	142	0	0	0	0
Nazarath Col of Rochester	975	0	0	0	937	0	0	25	0	0	0	13
New Sch for Soc Research	2,265	0	0	0	1,830	0	0	435	0	0	0	0
New York Chiropractic Col	205	0	0	0	205	0	0	0	0	0	0	0
New York Inst Technology	3,971	0	0	0	2,555	0	0	377	0	0	0	29
New York Medical College	11,336	0	0	0	790	74	0	10,274	0	58	128	2
New York University	92,792	2	0	4,499	10,945	3,933	958	64,664	0	444	7,347	0
Niagara University	1,949	0	0	0	1,929	0	0	20	0	0	0	0
Nyack College	489	0	0	0	489	0	0	0	0	0	0	0
Ohr Hametz Theol Sem	35	0	0	0	35	0	0	0	0	0	0	0
Ohr Somayach Tanenbaum	20	0	0	0	20	0	0	0	0	0	0	0
Olean Business Institute	134	0	0	0	134	0	0	0	0	0	0	0
Pace University	4,637	0	0	0	4,093	0	0	544	0	0	0	0
Piase Business Institute	1,259	0	0	0	1,259	0	0	0	0	0	0	0
Polytechnic University	6,101	0	0	2,922	1,844	184	2	0	0	180	969	0
Pratt Institute	2,512	0	0	0	2,512	0	0	0	0	0	0	0
Rab Col Bebever Yashiva	497	0	0	0	497	0	0	0	0	0	0	0
Rabbi Col Ch'San So	99	0	0	0	99	0	0	0	0	0	0	0
Rabbinical C Bath Shraga	63	0	0	0	63	0	0	0	0	0	0	0
Rabbinical College L I	91	0	0	0	91	0	0	0	0	0	0	0
Rabbinical Sam of America	102	0	0	0	102	0	0	0	0	0	0	0
Rabbinical Sam Moor Chaim	91	0	0	0	91	0	0	0	0	0	0	0
Rabbinical Sam Adas Yereim	135	0	0	0	135	0	0	0	0	0	0	0
Rensselaer Polytech Inst	21,789	0	3,155	5,419	0	2,651	404	1,694	0	1,649	6,219	198
Riba Brewer Tchrs Sem	31	0	0	0	31	0	0	0	0	0	0	0
Roberts Wesleyan College	563	0	0	0	563	0	0	0	0	0	0	0
Rochester Inst Technology	43,032	0	0	0	42,494	0	0	0	0	129	409	0
Rochester University	37,279	0	0	146	0	1,255	15	35,101	0	0	762	0
Russell Sage College	2,174	0	0	0	2,005	0	0	122	0	0	47	0
Sara Schenirer Tchrs Sem	1,032	0	0	0	1,032	0	0	0	0	0	0	0
Sarah Lawrence College	373	0	0	0	373	0	0	0	0	0	0	0
Sh'er Yashuv Rabbinical C	58	0	0	0	58	0	0	0	0	0	0	0
Sioma College	1,159	0	0	0	1,044	0	0	79	0	0	56	0
Skidmore College	954	0	0	0	954	0	0	0	0	0	0	0
St Bernard's Seminary	1,616	0	0	0	1,616	0	0	0	0	0	0	0
St Bonaventure University	932	0	0	0	932	0	0	0	0	0	0	0
St Francis College (NY)	881	0	0	0	881	0	0	0	0	0	0	0
St John Fisher College	1,242	0	0	0	1,169	73	0	0	0	0	0	0
St John's University (NY)	6,447	0	0	0	5,947	0	0	496	0	0	4	0
St Joseph's College	669	0	0	0	669	0	0	0	0	0	0	0
St Lawrence University	964	0	0	0	925	0	0	0	0	0	31	0
St Thomas Aquinas College	303	0	0	0	303	0	0	0	0	0	0	0
Stenotype Academy	433	0	0	0	433	0	0	0	0	0	0	0
Suffolk Co CC Eastern Cam	2	0	0	0	2	0	0	0	0	0	0	0
Syracuse University	23,753	188	0	3,261	10,113	1,159	37	5,607	199	138	3,051	0
SUNY - Hith Sci Brooklyn	15,297	0	0	0	0	0	0	15,131	0	0	166	0
SUNY - Hith Sci Syracuse	31,124	0	0	0	205	0	0	10,679	0	0	240	0
SUNY at Albany	21,285	0	2,298	3,032	1,106	1,224	1,842	6,677	0	635	4,468	0
SUNY at Binghamton	4,441	0	0	0	1,001	136	0	1,612	0	237	1,455	0
SUNY at Buffalo All Cmps	44,424	0	0	2,097	1,636	6,404	52	30,191	0	1,213	10,177	0
SUNY Adirondack Cnty Col	53,323	0	0	325	1,636	6,404	0	29,075	52	1,967	13,864	0
SUNY Ag & Tech Alfred	568	0	0	0	568	0	0	0	0	0	0	0
SUNY Ag & Tech Canton	404	0	0	0	358	0	0	0	0	0	46	0
SUNY Ag & Tech Cobleskill	431	0	0	0	431	0	0	0	0	0	0	0
SUNY Ag & Tech Delhi	232	0	0	0	174	0	0	0	0	0	58	0
SUNY Ag & Tech Delhi	238	0	0	0	238	0	0	0	0	0	0	0

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Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
SUNY Ag & Tech Farmingdale	1,105	0	0	0	1,105	0	0	0	0	0	0	0
SUNY Ag & Tech Morrisville	270	0	0	0	270	0	0	0	0	0	0	0
SUNY Clinton Cnty College	738	0	0	0	738	0	0	0	0	0	0	0
SUNY Cnty Col Finger Lake	1,378	0	0	0	1,378	0	0	0	0	0	0	0
SUNY Col at Old Westbury	1,406	0	0	0	386	0	0	948	0	0	72	0
SUNY Col of Env Sci & For	728	388	0	0	0	0	6	0	0	18	316	0
SUNY College at Purchase	826	0	0	0	620	0	0	0	0	45	161	0
SUNY College Brockport	1,630	0	0	0	1,234	0	0	0	0	0	396	0
SUNY College Buffalo	3,977	10	0	455	3,185	0	0	0	0	58	269	0
SUNY College Cortland	774	0	0	0	673	0	0	0	0	0	101	0
SUNY College Fredonia	565	0	0	0	538	0	0	0	0	0	27	0
SUNY College Genesee	791	0	0	0	637	0	0	0	0	0	154	0
SUNY College New Paltz	1,311	0	0	0	1,128	0	0	135	0	0	48	0
SUNY College Oneonta	568	0	0	0	568	0	0	0	0	0	0	0
SUNY College Oswego	429	0	0	0	411	0	0	0	0	18	0	0
SUNY College Plattsburgh	1,488	0	45	0	929	42	0	221	0	30	221	0
SUNY College Potsdam	781	0	0	0	564	0	0	0	0	0	217	0
SUNY Columbia Greene Col	563	0	0	0	563	0	0	0	0	0	0	0
SUNY Corning Cnty College	1,937	0	0	0	1,937	0	0	0	0	0	0	0
SUNY Dutchess Cnty Col	1,123	0	0	0	1,123	0	0	0	0	0	0	0
SUNY Fashion Inst Tech	1,708	0	0	1,708	0	0	0	0	0	0	0	0
SUNY Genesee Cnty College	1,931	0	0	0	1,931	0	0	0	0	0	0	0
SUNY Hudson Val Cnty Col	1,963	0	0	0	1,842	0	0	0	0	0	121	0
SUNY Inst Tech Utica-Rome	443	0	0	0	165	0	0	260	0	0	18	0
SUNY Jefferson Cnty Col	1,025	0	0	0	1,025	0	0	0	0	0	0	0
SUNY Mohawk Val Cnty Col	2,913	0	0	0	2,878	0	0	0	0	0	35	0
SUNY Monroe Cnty College	3,087	0	0	0	3,087	0	0	0	0	0	0	0
SUNY Nassau Cnty College	2,866	0	0	0	2,866	0	0	0	0	0	0	0
SUNY Niagara Cnty Cnty Col	2,751	0	0	0	2,751	0	0	0	0	0	0	0
SUNY North Cnty Cnty Col	1,052	0	0	0	1,052	0	0	0	0	0	0	0
SUNY Onondaga Cnty Col	2,211	0	0	0	2,211	0	0	0	0	0	0	0
SUNY Orange Cnty Cnty Col	1,156	0	0	0	1,156	0	0	0	0	0	0	0
SUNY Rockland Cnty Col	1,783	0	0	0	1,783	0	0	0	0	0	0	0
SUNY Schenectady Cnty CC	21	0	0	0	0	0	0	0	0	0	21	0
SUNY St Col of Optometry	321	0	0	0	116	0	0	205	0	0	0	0
SUNY Suffolk Co Cnty Col	3,886	0	0	0	3,886	0	0	0	0	0	0	0
SUNY System Office	1,626	345	0	11	0	0	424	550	0	0	296	0
SUNY Tompkins Cortland CC	1,312	0	0	0	1,312	0	0	0	0	0	0	0
SUNY Ulster Cnty Cnty Col	1,169	0	0	0	1,169	0	0	0	0	0	0	0
SUNY Westchester Cnty Col	87	0	0	0	0	0	87	0	0	0	0	0
Talmud Sem Oholei Torah	357	0	0	0	357	0	0	0	0	0	0	0
Talmudical Inst Upst N Y	24	0	0	0	24	0	0	0	0	0	0	0
The Berkeley College	236	0	0	0	236	0	0	0	0	0	0	0
Tobe-Coburn Sch Fash Car	58	0	0	0	58	0	0	0	0	0	0	0
Toldos Yakov Yosef	2,340	0	0	0	2,340	0	0	0	0	0	0	0
Touro College	8,270	0	0	0	8,270	0	0	0	0	0	0	0
Trocaire College	783	0	0	0	783	0	0	0	0	0	0	0
Un of NY Regents Col Deg	102	0	0	0	0	0	0	0	0	0	102	0
Union College (NY)	912	0	0	0	708	0	0	50	0	0	154	0
Union Theol Seminary (NY)	93	0	0	0	93	0	0	0	0	0	0	0
University of Rochester	115,415	117	0	6,736	3,264	17,222	0	77,611	0	213	10,252	0
Vassar College	1,953	0	0	0	1,228	0	0	327	0	0	398	0
Villa Maria Col Buffalo	510	0	0	0	510	0	0	0	0	0	0	0
Wadhams Hall	37	0	0	0	37	0	0	0	0	0	0	0
Wagner College	1,654	0	0	0	1,607	0	0	47	0	0	0	0
Wells College	371	0	0	0	371	0	0	0	0	0	0	0
Westchester Business Col	908	0	0	0	908	0	0	0	0	0	0	0
Wood School	521	0	0	0	521	0	0	0	0	0	0	0
Yeshiva & Kollel Har. Tor	57	0	0	0	57	0	0	0	0	0	0	0
Yeshiva of Nitra Rabbin C	197	0	0	0	197	0	0	0	0	0	0	0
Yeshiva Baia Yisroel	53	0	0	0	53	0	0	0	0	0	0	0
Yeshiva Derech Chaim	122	0	0	0	122	0	0	0	0	0	0	0
Yeshiva Karlin Stolin	61	0	0	0	61	0	0	0	0	0	0	0
Yeshiva University	75,080	0	0	234	886	0	0	73,510	0	0	450	0
Yeshivat Mikdash Melech	21	0	0	0	21	0	0	0	0	0	0	0
Yeshivath Zichron Moshe	145	0	0	0	145	0	0	0	0	0	0	0
North Carolina, total	465,915	28,438	933	18,354	109,825	7,459	7,249	245,445	651	7,831	35,355	4,375
Anson Technical College	252	0	0	0	252	0	0	0	0	0	0	0
Appalachian St University	4,173	0	0	0	3,402	0	110	100	0	0	561	0
Barber-Scottia College	1,066	0	0	0	1,066	0	0	0	0	0	0	0
Barton College	1,071	0	0	0	1,071	0	0	0	0	0	0	0
Belmont Abbey College	464	0	0	0	464	0	0	0	0	0	0	0
Bennett College (NC)	1,944	0	0	0	1,404	14	0	526	0	0	0	0
Blanton's College	562	0	0	0	562	0	0	0	0	0	0	0
Brevard College	294	0	0	0	294	0	0	0	0	0	0	0
Campbell University	1,235	8	0	0	1,219	0	0	8	0	0	0	0
Catawba College	459	0	0	0	459	0	0	0	0	0	0	0
Cecil's Junior College	358	0	0	0	358	0	0	0	0	0	0	0

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Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
North Carolina, cont'd												
Central Carolina Tech Col	325	0	0	0	325	0	0	0	0	0	0	0
Chowan College	964	0	0	0	964	0	0	0	0	0	0	0
Coastal Carolina Cmty Col	598	0	0	0	598	0	0	0	0	0	0	0
Davidson College	458	0	0	0	425	0	0	0	0	0	33	0
Duke University	131,020	510	167	5,248	3,437	4,362	1,558	103,583	0	787	11,368	0
East Carolina University	8,643	0	0	557	4,220	0	0	3,767	0	0	99	0
East Coast Bible College	167	0	0	0	167	0	0	0	0	0	0	0
Elizabeth City State Univ	3,644	0	0	0	3,553	0	3	0	0	0	88	0
Elon College	897	0	0	0	897	0	0	0	0	0	0	0
Fayetteville State Univ	4,790	0	0	0	4,494	0	0	296	0	0	0	0
Fayetteville Tech Inst	1,011	0	0	0	1,010	0	0	0	0	0	0	0
Gardner-Webb College	1,286	0	0	0	1,280	0	0	6	0	0	0	0
Greensboro College	590	0	0	0	590	0	0	0	0	0	0	0
Gulfport College	1,109	0	0	0	1,109	0	0	0	0	0	0	0
Gulfport Technical Inst	550	0	0	0	550	0	0	0	0	0	0	0
Hardbarger J Col of Bus	948	0	0	0	948	0	0	0	0	0	0	0
Haywood Technical Inst	1	1	0	0	0	0	0	0	0	0	0	0
High Point College	4	0	0	0	0	0	4	0	0	0	0	0
John Wesley Col (NC)	71	0	0	0	71	0	0	0	0	0	0	0
Johnson C Smith Univ	3,449	7	0	0	3,072	0	0	356	0	0	14	0
Lees-McRae College	2,879	0	0	0	2,879	0	0	0	0	0	0	0
Lenoir-Rhyne College	613	0	0	0	613	0	0	0	0	0	0	0
Livingstone College	1,551	0	0	0	1,351	0	0	0	0	0	0	0
Louisburg College	335	0	0	0	335	0	0	0	0	0	0	0
Mars Hill College	1,130	0	0	0	1,130	0	0	0	0	0	0	0
Merced College	586	0	0	0	586	0	0	0	0	0	0	0
Methodist College	775	0	0	0	765	0	0	0	0	0	10	0
Montreat-Anderson College	282	0	0	0	282	0	0	0	0	0	0	0
Mount Olive College	859	0	0	0	859	0	0	0	0	0	0	0
N C State Univ at Raleigh	63,280	22,763	353	7,761	5,648	1,846	1,775	5,625	595	3,996	10,007	2,911
North Caro Wesleyan Col	469	0	0	0	469	0	0	0	0	0	0	0
North Carolina Cntrl Univ	5,779	0	0	357	4,883	0	38	501	0	0	0	0
NC Ag & Tech State Univ	15,320	5,011	0	1,056	5,608	77	75	699	0	2,090	554	150
Peace College	114	0	0	0	114	0	0	0	0	0	0	0
Pembroke State University	1,819	0	0	0	1,459	0	0	334	0	0	26	0
Pfeiffer College	490	0	0	0	490	0	0	0	0	0	0	0
Phillips Jr Col-Raleigh	978	0	0	0	978	0	0	0	0	0	0	0
Phillips Jr Coll-Charlo	697	0	0	0	697	0	0	0	0	0	0	0
Phillips Jr Coll-Fayett	519	0	0	0	519	0	0	0	0	0	0	0
Phillips Jr Coll-Grnsbo	312	0	0	0	312	0	0	0	0	0	0	0
Phillips Jr Coll-Win Sa	248	0	0	0	248	0	0	0	0	0	0	0
Piedmont Bible Col	207	0	0	0	207	0	0	0	0	0	0	0
Queens College	314	0	0	0	309	0	0	0	5	0	0	0
Roanoke Bible College	55	0	0	0	55	0	0	0	0	0	0	0
Rowan Technical College	242	0	0	0	242	0	0	0	0	0	0	0
Salem College	171	0	0	0	171	0	0	0	0	0	0	0
Shaw University	4,394	20	0	0	4,163	0	80	131	0	0	0	0
St Andrews Presby Col	563	0	0	0	563	0	0	0	0	0	0	0
St Augustine's College	4,809	0	0	0	4,747	0	0	30	3	0	29	0
St Mary's College	43	0	0	0	43	0	0	0	0	0	0	0
Stanly Technical College	378	0	0	0	378	0	0	0	0	0	0	0
Surry Community College	494	0	0	0	494	0	0	0	0	0	0	0
Univ of N C at Asheville	801	0	0	0	762	0	0	0	0	0	39	0
Univ of N C at Charlotte	5,572	0	70	76	3,748	93	0	318	0	118	1,149	0
Univ of N C at Greensboro	5,739	0	0	48	3,338	0	0	1,711	0	0	642	0
Univ of N C at Wilmington	2,838	0	0	0	2,181	0	0	121	0	0	536	0
Univ of N C Sys Off	1,490	0	0	176	0	0	0	0	0	0	0	1,314
Univ of NC at Chapel Hill	123,985	115	52	2,866	10,221	818	3,606	96,344	48	528	9,387	0
Vance-Granville Cmty Coll	577	0	0	0	577	0	0	0	0	0	0	0
Wake Forest University	33,081	0	248	209	1,243	168	0	30,197	0	312	704	0
Warren Wilson College	474	0	0	0	474	0	0	0	0	0	0	0
Western Carolina Univ	2,914	2	43	0	2,751	0	0	9	0	0	109	0
Western Piedmont Cmty Col	537	0	0	0	408	0	0	129	0	0	0	0
Wingate College	666	0	0	0	666	0	0	0	0	0	0	0
Winston-Salem State Univ	4,133	0	0	0	3,398	81	0	654	0	0	0	0
North Dakota, total												
Dickinson State College	1,528	1	0	0	1,527	0	0	0	0	0	0	0
Fort Bethold Cmty College	321	0	0	0	0	0	0	0	319	0	0	2
Jamestown College	1,017	0	0	0	1,017	0	0	0	0	0	0	0
Little Hoop Com Col	503	0	0	0	127	89	0	0	287	0	0	0
Mayville State College	998	0	0	0	996	0	0	2	0	0	0	0
Minot State College	2,992	0	0	0	2,990	0	0	0	0	0	0	0
N Dak State School Sci	2,027	0	0	0	2,027	0	0	0	0	0	0	0
North Dakota State Univ	30,009	12,327	85	552	15,051	0	0	39	209	0	656	1,090
Standing Rock College	1,145	0	0	0	517	0	0	0	628	0	0	0
Trinity Bible Institute	579	0	0	0	579	0	0	0	0	0	0	0
Turtle Mountain Comm Col	1,961	0	0	0	1,106	0	0	0	855	0	0	0
University of Mary	1,549	0	0	0	1,444	0	0	105	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
North Dakota, cont'd												
University of N Dakota	29,843	4,969	519	0	9,217	8,819	826	2,309	241	62	478	2,403
Valley City State College	964	0	0	0	964	0	0	0	0	0	0	0
Ohio, total	490,328	19,257	1,059	36,446	202,274	5,918	5,484	153,988	680	22,092	32,156	10,974
Antioch University	2,392	0	0	0	2,392	0	0	0	0	0	0	0
Art Academy of Cincinnati	106	0	0	0	106	0	0	0	0	0	0	0
Ashland University	2,620	0	0	0	2,620	0	0	0	0	0	0	0
Baldwin-Wallace College	2,281	0	0	0	2,240	0	0	0	0	41	0	0
Bliss College	759	0	0	0	759	0	0	0	0	0	0	0
Bluffton College	429	0	0	0	429	0	0	0	0	0	0	0
Bowling Green State Univ	13,343	0	0	0	11,958	55	0	502	0	0	828	0
Bradford School	224	0	0	0	224	0	0	0	0	0	0	0
Capital University	1,163	0	0	0	1,121	0	0	0	0	0	42	0
Careercom Col of Business	1,164	0	0	0	1,164	0	0	0	0	0	0	0
Case Western Reserve Univ	82,839	0	0	3,687	3,549	421	347	61,522	0	7,515	5,798	0
Cedarville College	708	0	0	0	708	0	0	0	0	0	0	0
Central State University	672	0	0	301	0	11	0	143	0	145	72	0
Chatfield College	166	0	0	0	166	0	0	0	0	0	0	0
Cincinnati Bible Seminary	407	0	0	0	407	0	0	0	0	0	0	0
Cincinnati Technical Inst	1,009	0	0	0	895	0	0	114	0	0	0	0
Circleville Bible College	141	0	0	0	141	0	0	0	0	0	0	0
Cleveland State Univ	10,634	0	75	0	6,237	0	0	1,466	0	2,856	0	0
Col Mt St Joseph-on-Ohio	668	0	0	0	585	0	0	83	0	0	0	0
College of Wooster	1,041	0	0	0	879	0	0	0	0	0	162	0
Columbus Col Art & Design	800	0	0	0	800	0	0	0	0	0	0	0
Columbus State Comm Coll	28	0	0	0	0	13	0	85	0	551	0	0
Cuyahoga Cmty Col Dist	649	0	0	0	0	0	0	0	0	0	0	0
Davis Junior College	479	0	0	0	479	0	0	0	0	0	0	0
Defiance College	579	0	0	0	579	0	0	0	0	0	0	0
Denison University	725	0	0	0	639	45	0	0	0	41	0	0
Dyke College	1,017	0	0	0	1,017	0	0	0	0	0	0	0
Electronic Tech Inst-Ohio	744	0	0	0	744	0	0	0	0	0	0	0
Franciscan U Steubenville	892	0	0	0	892	0	0	0	0	0	0	0
Franklin University	745	0	0	0	745	0	0	0	0	0	0	0
God's Bible School & Col	193	0	0	0	193	0	0	0	0	0	0	0
Heidelberg College	725	23	0	0	674	0	0	0	0	28	0	0
Hiram College	1,115	0	0	0	1,091	0	0	0	0	0	24	0
ITT Tech Institute-Ohio	149	0	0	0	149	0	0	0	0	0	0	0
John Carroll University	1,320	0	0	0	982	0	0	0	0	202	136	0
Kent State University	32,236	0	15	361	28,520	112	0	1,052	0	335	1,841	0
Kenyon College	757	0	0	0	341	0	0	24	0	55	337	0
Lake Erie College	251	0	0	0	251	0	0	0	0	0	0	0
Lima Technical College	1,105	0	0	0	1,105	0	0	0	0	0	0	0
Lorain County Cmty Col	62	0	0	0	0	0	0	0	0	44	18	0
Lourdes College	196	0	0	0	195	0	0	0	0	0	0	0
Malone College	823	0	0	0	823	0	0	0	0	0	0	0
Marietta College	1,020	0	0	0	1,006	0	0	0	0	0	14	0
Marion Technical College	1,147	0	0	0	1,147	0	0	0	0	0	0	0
Med Col of Ohio at Toledo	6,589	0	0	0	0	0	198	6,320	0	0	71	0
Methodist Theol Sch Ohio	36	0	0	0	36	0	0	0	0	0	0	0
Miami University (Ohio)	9,496	219	0	235	7,546	13	81	203	0	50	1,149	0
Mount Union College	993	0	0	0	993	0	0	0	0	0	0	0
Mt Vernon Nazarene Col	786	0	0	0	786	0	0	0	0	0	0	0
Muskingum Area Tech Col	28	0	0	0	0	0	0	0	0	0	28	0
Muskingum College	687	0	0	0	687	0	0	0	0	0	0	0
North Central Tech Col	852	0	0	0	852	0	0	0	0	0	0	0
Notre Dame College (OH)	359	0	0	0	239	0	0	0	0	0	120	0
NE Ohio Univs Med School	946	0	0	0	79	0	0	854	0	0	13	0
Oberlin College	2,394	0	0	0	2,077	0	0	84	0	25	208	0
Ohio Col of Podiatric Med	57	0	0	0	0	0	0	57	0	0	0	0
Ohio Dominican College	677	0	0	0	677	0	0	0	0	0	0	0
Ohio Northern University	1,526	0	0	0	1,468	0	0	18	0	0	35	5
Ohio State University	109,258	18,891	909	4,549	12,674	4,193	1,467	37,438	680	4,608	15,098	8,751
Ohio University	24,618	102	0	525	19,984	425	0	1,124	0	235	684	1,539
Ohio Wesleyan University	1,376	0	0	101	1,246	0	0	0	0	0	29	0
Otterbein College	1,007	0	0	0	1,007	0	0	0	0	0	0	0
Penn-Ohio Junior College	132	0	0	0	132	0	0	0	0	0	0	0
Rabbinical Col of Telshe	210	0	0	0	210	0	0	0	0	0	0	0
Sinclair Community Col	85	0	0	0	0	0	0	85	0	0	0	0
Southern Ohio College	1,370	0	0	0	1,370	0	0	0	0	0	0	0
Stark Technical Institute	1,124	0	0	0	1,124	0	0	0	0	0	0	0
The University of Findlay	1,391	0	0	0	1,391	0	0	0	0	0	0	0
Tiffin University	423	0	0	0	423	0	0	0	0	0	0	0
Trinity Lutheran Seminary	120	0	0	0	120	0	0	0	0	0	0	0
Union Institute	459	0	0	0	459	0	0	0	0	0	0	0
United Theol Sem (OH)	97	0	0	0	97	0	0	0	0	0	0	0
University of Akron	14,528	0	0	50	10,433	208	92	1,109	0	1,325	1,158	153
University of Cincinnati	67,212	0	0	2,476	21,211	295	2,643	35,190	0	2,257	2,830	310
University of Dayton	26,725	0	60	22,477	2,873	0	548	87	0	154	473	53

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Ohio, cont'd												
University of Rio Grande	1,701	0	0	0	1,701	0	0	0	0	0	0	0
University of Toledo	9,647	0	0	0	6,998	113	3	1,270	0	893	207	143
Urbana University	1,716	0	0	0	1,716	0	0	0	0	0	0	0
Ursuline College	490	0	0	0	490	0	0	0	0	0	0	0
Virginia Marti Fash Inst	122	0	0	0	122	0	0	0	0	0	0	0
Walsh College	649	0	0	0	649	0	0	0	0	0	0	0
West Side Inst of Tech	317	0	0	0	317	0	0	0	0	0	0	0
Wilberforce University	4,001	10	0	0	3,977	0	14	0	0	0	0	0
Wilmington College	2,545	0	0	0	2,545	0	0	0	0	0	0	0
Wittenberg University	1,151	0	0	0	1,072	0	0	0	0	70	9	0
Wright State University	13,050	12	0	1,684	4,887	14	91	5,003	0	662	697	0
Xavier University	1,352	0	0	0	1,258	0	0	61	0	0	33	0
Youngstown C Bus & Draftg	122	0	0	0	122	0	0	0	0	0	0	0
Youngstown St University	7,374	0	0	0	7,266	0	0	94	0	0	14	0
Oklahoma, total	132,585	15,000	950	4,463	78,549	6,522	700	16,500	386	2,940	6,108	467
Bacone College	2	0	0	0	0	0	0	2	0	0	0	0
Bartlesville Wesleyan Col	515	0	0	0	512	0	0	3	0	0	0	0
Bethany Nazarene College	855	0	0	0	855	0	0	0	0	0	0	0
Cameron University	2,735	0	0	0	2,735	0	0	0	0	0	0	0
Carl Albert Junior Col	1,658	0	0	0	1,658	0	0	0	0	0	0	0
Central State Univ (OK)	3,506	0	0	0	3,504	0	0	2	0	0	0	0
Connors State College	2,115	0	0	0	2,115	0	0	0	0	0	0	0
East Central University	3,677	0	0	0	3,488	0	167	22	0	0	0	0
Eastern Okla State Col	1,110	0	0	0	1,110	0	0	0	0	0	0	0
El Reno Junior College	1	0	0	0	0	0	0	1	0	0	0	0
Flaming Rainbow Univ	537	0	0	0	537	0	0	0	0	0	0	0
Hillsdale F-W-Baptist Col	168	0	0	0	168	0	0	0	0	0	0	0
Langston University	6,411	2,758	0	0	3,407	0	0	114	14	0	33	85
Murray State College	1,012	0	0	0	1,012	0	0	0	0	0	0	0
Northeastern Okla A&M Col	1,939	0	0	0	1,936	0	0	3	0	0	0	0
Northeastern State Univ	5,781	0	0	0	5,629	0	0	128	0	0	24	0
Northern Oklahoma College	697	0	0	0	697	0	0	0	0	0	0	0
Northwestern Okla St Univ	1,105	0	0	0	1,104	0	0	1	0	0	0	0
Okla Col Osteo Med & Surg	1,207	0	0	0	86	0	0	1,121	0	0	0	0
Okla Panhandle State Univ	937	0	0	0	937	0	0	0	0	0	0	0
Oklahoma Baptist Univ	1,114	0	0	0	1,114	0	0	0	0	0	0	0
Oklahoma City University	994	0	0	0	994	0	0	0	0	0	0	0
Oklahoma State University	36,346	12,242	0	3,711	10,595	3,450	100	1,056	227	2,754	1,981	230
Oral Roberts University	3,828	0	0	0	3,811	0	0	17	0	0	0	0
OK Christian Univ Sci/Art	1,401	0	0	0	1,389	0	0	12	0	0	0	0
OK City Community College	2	0	0	0	0	0	0	2	0	0	0	0
OK Junior Col Bus & Tech	2,934	0	0	0	2,934	0	0	0	0	0	0	0
Phillips University	697	0	0	0	697	0	0	0	0	0	0	0
Roger State College	2,456	0	0	0	2,454	0	0	2	0	0	0	0
Seminole Junior Col (OK)	767	0	0	0	766	0	0	1	0	0	0	0
Southeastern Okla St Univ	3,616	0	0	0	3,443	0	0	173	0	0	0	0
Southwestern Okla St Univ	3,060	0	0	0	3,051	0	0	9	0	0	0	0
St Gregorys College	286	0	0	0	286	0	0	0	0	0	0	0
SW Col of Christian Minis	137	0	0	0	137	0	0	0	0	0	0	0
Tulsa Junior College	2,278	0	0	0	2,278	0	0	0	0	0	0	0
Univ Sci & Arts of Okla	1,528	0	0	0	1,528	0	0	0	0	0	0	0
University of Oklahoma	31,118	0	950	752	8,869	2,685	295	13,570	145	186	3,514	152
University of Tulsa	3,353	0	0	0	2,011	387	138	261	0	0	556	0
Western Oklahoma State Col	702	0	0	0	702	0	0	0	0	0	0	0
Oregon, total	180,424	14,256	2,639	8,532	59,002	14,321	1,452	54,143	2,395	2,361	19,434	895
Chemeketa Community Col	3,187	0	0	0	3,187	0	0	0	0	0	0	0
Clatsop Community College	512	0	0	0	512	0	0	0	0	0	0	0
Columbia Christian Col	214	0	0	0	214	0	0	0	0	0	0	0
Concordia College (Ore)	367	0	0	0	367	0	0	0	0	0	0	0
Eastern Oregon St College	2,672	0	100	0	2,175	0	0	0	0	0	397	0
Eugene Bible College	134	0	0	0	134	0	0	0	0	0	0	0
George Fox College	980	0	0	0	980	0	0	0	0	0	0	0
ITT Technical Inst	228	0	0	0	228	0	0	0	0	0	0	0
Lewis & Clark College	1,620	0	0	0	1,525	0	0	2	0	0	93	0
Linfield College	1,696	0	0	0	1,591	0	0	0	0	0	105	0
Marylhurst Education Ctr	415	0	0	0	415	0	0	0	0	0	0	0
Mt Angel Seminary	21	0	0	0	21	0	0	0	0	0	0	0
Multnomah School of Bible	396	0	0	0	396	0	0	0	0	0	0	0
Northwest Christian Col	198	0	0	0	198	0	0	0	0	0	0	0
Oregon Grad Inst Sci Tech	3,821	355	0	127	0	897	149	779	680	119	545	170
Oregon Hlth Sciences Univ	45,997	0	0	655	384	9,860	0	34,743	0	0	355	0
Oregon Institute of Tech	295	0	0	0	0	225	0	0	0	0	70	0
Oregon Polytechnic Inst	364	0	0	0	364	0	0	0	0	0	0	0
Oregon State University	59,048	13,601	2,509	6,374	8,415	1,150	1,249	8,669	2,574	2,058	11,730	719
Pacific NW College of Art	171	0	0	0	171	0	0	0	0	0	0	0
Pacific University	1,796	0	0	0	1,730	0	0	31	0	0	35	0

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Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Oregon, cont'd												
Portland Community Col	6,043	1	0	0	5,937	0	0	2	0	0	100	3
Portland State University	9,612	147	30	0	7,853	110	0	591	0	0	881	0
Reed College	1,177	0	0	0	743	26	0	354	0	10	44	0
Southern Oregon St Col	2,960	0	0	0	2,955	0	0	0	0	0	5	0
Southern Oregon Cmty Col	3	0	0	0	0	0	0	0	0	0	0	0
Treasure Valley Cmty Col	554	0	0	0	554	0	0	0	0	0	0	0
University of Oregon Main	29,470	151	0	1,376	11,596	2,053	0	8,972	135	174	5,013	0
University of Portland	1,325	1	0	0	1,209	0	54	0	0	0	61	0
Western Baptist College	397	0	0	0	397	0	0	0	0	0	0	0
Western Oregon State Coll	3,283	0	0	0	3,283	0	0	0	0	0	0	0
Willamette University	1,228	0	0	0	1,228	0	0	0	0	0	0	0
Westn States Chioprc C	240	0	0	0	240	0	0	0	0	0	0	0
Pennsylvania, total	790,569	20,392	836	119,400	202,304	19,846	3,961	329,045	3,673	14,468	70,011	6,633
Albright College	534	0	0	0	534	0	0	0	0	0	0	0
Allagheny College	1,124	0	0	0	965	0	0	62	0	0	97	0
Allentown C St Fr Desales	461	0	0	0	461	0	0	0	0	0	0	0
Alvernia College	355	0	0	0	355	0	0	0	0	0	0	0
American Inst Drafting	422	0	0	0	422	0	0	0	0	0	0	0
Art Inst Philadelphia	871	0	0	0	871	0	0	0	0	0	0	0
Art Inst Pittsburgh	2,053	0	0	0	2,053	0	0	0	0	0	0	0
Baptist Bible Coll & Sem	277	0	0	0	277	0	0	0	0	0	0	0
Beaver College	378	0	0	0	361	0	0	0	0	0	17	0
Bloomsburg Univ of Penn	120	0	0	0	49	0	0	22	0	0	49	0
Bryn Mawr College	1,406	0	0	0	848	0	0	389	0	0	249	0
Bucknell University	1,167	4	0	0	917	0	0	125	0	0	121	0
Cabrini College	486	0	0	0	427	0	7	0	0	0	52	0
Carlow College	716	0	0	0	716	0	0	0	0	0	0	0
Carnegie-Mellon Univ	56,900	125	0	22,451	4,638	4,062	0	6,612	308	2,822	15,452	430
Cedar Crest College	324	0	0	0	324	0	0	0	0	0	0	0
Chatham College	723	0	0	0	723	0	0	0	0	0	0	0
Chestnut Hill College	478	0	0	0	288	0	0	0	0	0	190	0
Chi Institute	152	0	0	0	152	0	0	0	0	0	0	0
Clarion Univ of Penn	3,297	0	0	0	3,297	0	0	0	0	0	0	0
Cnty Col of Philadelphia	9,364	0	0	0	9,362	0	0	0	0	0	0	0
Cnty Col Allegheny County	7,897	0	0	0	7,897	0	0	0	0	0	0	0
College Misericordia	924	0	0	0	911	0	0	13	0	0	0	0
Dean Institute of Tech	39	0	0	0	39	0	0	0	0	0	0	0
Dickinson College	1,032	0	0	0	884	0	0	0	0	0	148	0
Dickinson School of Law	80	0	0	0	80	0	0	0	0	0	0	0
Drexel University	9,918	0	10	1,673	2,683	329	517	1,682	10	562	2,452	0
Duquesne University	2,665	0	0	0	2,600	0	0	0	0	0	0	0
Eastern Baptist Theol Sem	12	0	0	0	12	0	0	114	0	0	0	0
Eastern College	633	0	0	0	633	0	0	0	0	0	0	0
Edinboro Univ of Penn	83	0	0	0	0	0	0	83	0	0	0	0
Electronic Insts-Pitts	262	0	0	0	262	0	0	0	0	0	0	0
Elizabethtown College	445	0	0	0	445	0	0	0	0	0	0	0
Franklin & Marshall Col	1,108	0	0	0	665	0	0	0	0	0	443	0
Gannon University	2,999	0	0	0	2,999	0	0	0	0	0	0	0
Geneva College	962	0	0	0	936	0	0	0	0	0	26	0
Gettysburg College	777	0	0	0	596	0	0	122	0	0	59	0
Gwynedd-Mercy College	594	0	0	0	448	0	0	146	0	0	0	0
Hahnemann University	8,591	0	0	643	916	0	0	7,020	0	0	12	0
Harcum Junior College	738	0	0	0	693	0	0	45	0	0	0	0
Harrisburg Area Cmty Col	1,186	0	0	0	1,186	0	0	0	0	0	0	0
Haverford College	1,016	0	0	0	399	0	0	103	0	0	514	0
Holy Family College	532	0	0	0	532	0	0	0	0	0	0	0
Immaculate College	314	0	0	0	314	0	0	0	0	0	0	0
Indiana Univ of Penn	9,250	0	0	0	8,375	0	0	146	0	0	191	538
Juniata College	950	0	0	0	664	0	0	0	0	0	286	0
Keystone Junior College	614	0	0	0	614	0	0	0	0	0	0	0
King's College (PA)	1,082	0	0	0	1,082	0	0	0	0	0	0	0
Kutztown Univ of Penn	1,889	0	0	0	1,823	0	66	0	0	0	0	0
La Roche College	564	0	0	0	564	0	0	0	0	0	0	0
La Salle University	1,696	0	0	73	1,471	0	0	152	0	0	0	0
Lackawanna Junior College	496	0	0	0	496	0	0	0	0	0	0	0
Lafayette College	406	0	0	0	394	0	0	0	0	0	12	0
Lancaster Bible College	250	0	0	0	250	0	0	0	0	0	0	0
Lebanon Valley College	470	0	0	0	470	0	0	0	0	0	0	0
Lehigh University	12,552	44	266	2,102	1,489	1,693	300	1,003	40	259	5,356	0
Lincoln University (PA)	3,983	17	0	395	2,620	84	108	629	0	90	40	0
Lock Haven Univ of Penn	1,952	0	0	0	1,952	0	0	0	0	0	0	0
Lutheran Theological Sem	13	0	0	0	13	0	0	0	0	0	0	0
Lycoming College	567	0	0	0	567	0	0	0	0	0	0	0
Manor Junior College	217	0	0	0	217	0	0	0	0	0	0	0
Mansfield Univ of Penn	1,518	0	0	0	1,518	0	0	0	0	0	0	0
Marywood College	1,332	0	0	0	1,332	0	0	0	0	0	0	0
McCarrie Sch Hlth Sci Tec	307	0	0	0	307	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Pennsylvania, cont'd												
Medical Col of Penn	13,829	0	0	123	262	0	0	13,444	0	0	0	0
Mercyhurst College	1,233	0	0	0	1,209	0	0	0	0	0	24	0
Messiah College	1,214	4	0	0	1,210	0	0	0	0	0	0	0
Millersville Univ of Penn	79	0	0	0	0	0	0	0	0	0	79	0
Moore Col of Art & Design	451	0	0	0	451	0	0	0	0	0	0	0
Moravian College	402	0	0	0	402	0	0	0	0	0	0	0
Mount Aloysius Junior Col	896	0	0	0	896	0	0	0	0	0	0	0
Muhlenberg College	459	0	0	0	459	0	0	0	0	0	0	0
Neumann College	271	0	0	0	271	0	0	0	0	0	0	0
Northampton Cnty Cmty Col	1,195	0	0	0	1,195	0	0	0	0	0	0	0
Northeastn Christn Jr Col	289	0	0	0	289	0	0	0	0	0	0	0
O.S. Johnson Sch Tech	118	0	0	0	118	0	0	0	0	0	0	0
Palmer School	800	0	0	0	800	0	0	0	0	0	0	0
Paierce Jr College	883	0	0	0	883	0	0	0	0	0	0	0
Penn Col of Podiatric Med	510	0	0	0	298	0	0	212	0	0	0	0
Penn Technical Institute	257	0	0	0	257	0	0	0	0	0	0	0
Pennco Tech	350	0	0	0	350	0	0	0	0	0	0	0
Pennsylvania Col of Tech	3,117	0	0	0	3,117	0	0	0	0	0	0	0
Pennsylvania Col Optomet	1,336	0	0	0	741	0	0	595	0	0	0	0
Pennsylvania Inst of Tech	328	0	0	0	328	0	0	0	0	0	0	0
Pennsylvania State Univ	184,948	19,698	416	67,816	28,687	3,909	480	33,842	3,180	8,049	15,870	3,001
Phila Col of Pharm & Sci	424	0	0	0	0	0	0	424	0	0	0	0
Phila Col Osteopathic Med	563	0	0	0	144	0	0	419	0	0	0	0
Philadelphia Col of Bible	387	0	0	0	387	0	0	0	0	0	0	0
Pinebrook Junior College	96	0	0	0	96	0	0	0	0	0	0	0
Pittsburgh Inst Mort. Sci	22	0	0	0	22	0	0	0	0	0	0	0
Point Park College	1,387	0	0	0	1,387	0	0	0	0	0	0	0
Reading Area CC	79	0	0	0	0	0	0	79	0	0	0	0
Robert Morris College	1,686	0	0	0	1,686	0	0	0	0	0	0	0
Rosemont College	219	0	0	0	219	0	0	0	0	0	0	0
Seton Hill College	1,278	0	0	0	1,278	0	0	0	0	0	0	0
Shippensburg Univ of Penn	10	0	0	0	0	0	0	0	0	0	10	0
Spring Garden College	200	0	0	0	200	0	0	0	0	0	0	0
St Charles Borromeo Sem	38	0	0	0	38	0	0	0	0	0	0	0
St Francis College	1,230	0	0	0	1,170	0	0	60	0	0	0	0
St Joseph's University	1,008	0	0	0	1,008	0	0	0	0	0	0	0
St Vincent Col and Sem	1,031	0	0	0	1,031	0	0	0	0	0	0	0
Susquehanna University	607	0	0	0	574	0	0	0	0	0	33	0
Swarthmore College	2,180	0	0	0	787	0	0	0	0	51	1,342	0
Temple University	40,797	100	0	660	12,641	335	2	25,008	0	45	1,976	30
Thiel College	1,125	0	0	0	1,125	0	0	0	0	0	0	0
Thomas Jefferson Univ	25,424	44	0	1,042	1,453	0	0	20,639	0	0	171	2,075
Triangle Tech, Inc.	1,614	0	0	0	1,614	0	0	0	0	0	0	0
United Wesleyan College	32	0	0	0	32	0	0	0	0	0	0	0
Univ of Pennsylvania	189,525	303	81	11,008	12,149	5,808	6	123,224	0	496	14,937	513
University of Pittsburgh	146,345	52	63	11,370	28,665	2,626	2,475	91,788	0	1,998	9,264	44
University of Scranton	1,624	0	0	0	1,624	0	0	0	0	0	0	0
Ursinus College	428	0	0	0	352	0	0	0	0	0	76	0
Vale Technical Institute	59	0	0	0	59	0	0	0	0	0	0	0
Valley Forge Christ Col	438	0	0	0	438	0	0	0	0	0	0	0
Valley Forge Milit Jr Col	124	0	0	0	124	0	0	0	0	0	0	0
Villa Maria College	20	0	0	0	1	0	0	19	0	0	0	0
Villanova University	2,988	0	0	0	1,846	0	0	661	135	96	250	0
Washington & Jefferson Col	637	0	0	0	637	0	0	0	0	0	0	0
Waynesburg College	1,529	0	0	0	1,529	0	0	0	0	0	0	0
West Chester Univ of Penn	2,402	0	0	44	2,358	0	0	0	0	0	0	0
Westminster College (PA)	828	0	0	0	675	0	0	0	0	0	153	0
Widener University	1,978	1	0	0	1,754	0	0	163	0	0	60	0
Wilkes University	1,477	0	0	0	1,477	0	0	0	0	0	0	0
Wilson College	129	0	0	0	129	0	0	0	0	0	0	0
York College of Penn	753	0	0	0	753	0	0	0	0	0	0	0
Rhode Island, total	81,925	2,600	2,710	10,227	25,211	4,102	617	18,365	753	2,305	14,216	819
Brown University	42,228	0	77	7,051	5,712	4,062	0	14,770	296	1,332	8,928	0
Bryant Col of Bus Admin	897	0	0	0	897	0	0	0	0	0	0	0
Cnty Col of Rhode Island	3,021	0	0	0	3,021	0	0	0	0	0	0	0
Johnson & Wales Univ	3,375	0	0	0	3,375	0	0	0	0	0	0	0
N Eng Inst of Technology	1,244	0	0	0	1,244	0	0	0	0	0	0	0
Providence College	1,621	0	0	0	1,621	0	0	0	0	0	0	0
Rhode Island College	3,616	0	0	0	3,555	0	0	20	0	0	41	0
Roger Williams College	857	0	0	0	857	0	0	0	0	0	0	0
Salve Regina College	342	0	0	0	342	0	0	0	0	0	0	0
Univ of Rhode Island	24,724	2,600	2,633	3,176	4,587	40	617	3,575	457	973	5,247	819
South Carolina, total	120,735	15,303	3,720	3,435	58,822	1,526	1,241	27,571	280	1,007	7,627	203
Allan University	650	0	0	0	650	0	0	0	0	0	0	0
Anderson College	623	0	0	0	623	0	0	0	0	0	0	0
Baptist Col at Charleston	1,697	0	0	0	1,647	0	0	0	0	0	80	0

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Table C-17. Federal obligations to universities and colleges,
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[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
South Carolina, cont'd												
Benedict College	5,327	0	100	0	4,243	0	0	874	0	0	16	94
Central Wesleyan College	528	0	0	0	528	0	0	0	0	0	0	0
Citadel Military Col S C	41	0	0	0	0	0	0	0	0	0	0	0
Clafflin College	3,092	0	0	0	2,897	148	0	0	0	16	25	0
Clemson University	22,398	11,825	236	2,403	4,060	140	248	663	236	958	1,519	109
Clinton Junior College	86	0	0	0	86	0	0	0	0	0	0	0
Coker College	416	0	0	0	416	0	0	0	0	0	0	0
College of Charleston	2,111	0	0	13	2,085	0	0	0	0	0	13	0
Columbia Bible Col	377	0	0	0	377	0	0	0	0	0	0	0
Columbia College	772	0	0	0	772	0	0	0	0	0	0	0
Converse College	369	0	0	0	359	0	0	0	0	0	10	0
Erskine College	366	0	0	0	316	0	0	0	0	0	50	0
Florence Darlington T C	1,247	0	0	0	1,231	0	0	0	0	0	16	0
Francis Marion College	1,442	0	0	0	1,368	0	0	0	0	0	74	0
Furman University	1,371	0	0	0	1,086	0	0	67	0	0	218	0
Greenville Tech College	2,069	0	0	0	1,904	58	0	98	0	0	9	0
Horry-Georgetown Tech Col	829	0	0	0	829	0	0	0	0	0	0	0
Lander College	980	0	0	0	980	0	0	0	0	0	0	0
Limestone College	700	0	0	0	700	0	0	0	0	0	0	0
Med Univ of So Carolina	17,096	170	0	0	631	0	0	16,067	0	0	228	0
Midlands Tech College	1,929	0	0	0	1,929	0	0	0	0	0	0	0
Morris College	2,563	0	0	0	2,563	0	0	0	0	0	0	0
Newberry College	570	0	0	0	570	0	0	0	0	0	0	0
North Greenville College	400	0	0	0	400	0	0	0	0	0	0	0
Orngbrg-Calhn Tech Ed Ctr	19	0	0	0	0	0	0	0	0	0	0	0
Phillips Jr College	457	0	0	0	457	0	0	0	0	0	19	0
Piedmont Tech College	1,075	0	0	0	1,075	0	0	0	0	0	0	0
Presbyterian College	390	0	0	0	390	0	0	0	0	0	0	0
Sherman Col of Chiropract	179	0	0	0	179	0	0	0	0	0	0	0
South Carolina St College	10,386	3,307	0	100	6,596	65	0	150	0	11	157	0
Spartanburg Meth College	668	0	0	0	668	0	0	0	0	0	0	0
Sumter Area Tech College	120	0	0	0	0	0	120	0	0	0	0	0
SC Sea Grant Consortium	30	0	0	0	0	0	0	0	0	0	0	0
Trident Technical College	2,482	0	0	0	2,482	0	0	0	0	0	0	0
Univ of South Carolina	29,190	0	3,330	919	8,073	1,103	873	9,603	44	22	5,223	0
Voorhees College	2,732	0	0	0	2,718	14	0	0	0	0	0	0
Williamsburg Tech College	494	0	0	0	494	0	0	0	0	0	0	0
Winthrop College	2,031	0	24	0	2,007	0	0	0	0	0	0	0
Wofford College	433	0	0	0	433	0	0	0	0	0	0	0
South Dakota, total	43,681	7,679	100	30	28,352	0	0	1,596	3,300	372	1,983	269
Augustana College	1,822	0	0	0	1,711	0	0	9	0	0	102	0
Black Hill State Univ	2,753	0	0	0	2,753	0	0	0	0	0	0	0
Chayenne River Com Col	143	0	0	0	0	0	0	10	133	0	0	0
Cnty Col of N Ctrl U Ctr	159	0	0	0	159	0	0	0	0	0	0	0
Dakota State University	1,138	0	0	0	1,138	0	0	0	0	0	0	0
Dakota Wesleyan Univ	1,407	0	0	0	1,405	0	0	2	0	0	0	0
Huron University	641	0	0	0	635	0	0	6	0	0	0	0
Mount Marty College	842	0	0	0	809	0	0	15	0	0	18	0
National College	1,512	0	0	0	1,512	0	0	0	0	0	0	0
Northern State University	2,821	0	0	0	2,806	0	0	5	10	0	0	0
Oglala Lakota College	2,100	0	0	0	0	0	0	525	1,575	0	0	0
Presentation College	2,919	0	0	0	2,909	0	0	10	0	0	0	0
S Dak Sch Mines & Tech	2,144	0	0	0	0	0	0	6	145	346	1,633	14
Sinte Glaska College	1,791	0	0	0	976	0	0	0	815	0	0	0
Sioux Falls College	687	0	0	0	687	0	0	0	0	0	0	0
Sisseton-Wahpeton Cmty C	742	0	0	0	485	0	0	0	257	0	0	0
South Dakota State Univ	13,464	7,529	100	0	4,983	0	0	235	347	0	200	70
U of S D System Office	5,432	0	0	30	5,384	0	0	0	18	0	0	0
Univ of South Dakota	1,164	150	0	0	0	0	0	773	0	26	30	185
Tennessee, total	276,456	20,356	77	6,803	104,950	14,038	1,091	112,116	1,016	5,326	10,233	450
American Baptist College	177	0	0	0	177	0	0	0	0	0	0	0
Aquinas Junior College	112	0	0	0	112	0	0	0	0	0	0	0
Austin Peay State Univ	3,986	0	0	0	3,962	0	0	0	0	0	24	0
Belmont College	728	0	0	0	728	0	0	0	0	0	0	0
Bethel College (Tenn)	689	0	0	0	689	0	0	0	0	0	0	0
Bristol University	139	0	0	0	139	0	0	0	0	0	0	0
Bryan College	562	0	0	0	562	0	0	0	0	0	0	0
Carson-Newman College	1,265	0	0	0	1,265	0	0	0	0	0	0	0
Chattanooga St Tech CC	1,695	0	0	0	1,695	0	0	0	0	0	0	0
Christian Brothers Univ	1,222	0	0	0	1,198	0	0	0	0	0	24	0
Cleveland State Cmty Col	1,066	0	0	0	1,066	0	0	0	0	0	0	0
Columbia State Cmty Col	704	0	0	0	704	0	0	0	0	0	0	0
Cooper Institute	48	0	0	0	48	0	0	0	0	0	0	0
Cumberland Col of Tenn	379	0	0	0	379	0	0	0	0	0	0	0
David Lipscomb University	772	0	0	0	752	0	0	0	0	0	20	0
Draghons Jr C-Knoxville	1,694	0	0	0	1,694	0	0	0	0	0	0	0

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Tennessee, cont'd												
Draughons JC - Nashville	807	0	0	0	807	0	0	0	0	0	0	0
Dyersburg State Cmty Col	929	0	0	0	929	0	0	0	0	0	0	0
East Tennessee State Univ	8,933	0	0	0	5,241	0	180	1,283	0	0	229	0
Edmondson Junior College	2,107	0	0	0	2,107	0	0	0	0	0	0	0
Fisk University	3,076	0	0	0	2,024	0	0	238	0	513	66	235
Freed-Hardeman University	1,337	0	0	0	1,337	0	0	0	0	0	0	0
Hixson College	1,822	0	0	0	1,815	0	0	0	0	0	7	0
ITT Technical Institute	59	0	0	0	59	0	0	0	0	0	0	0
Jackson State Cmty Col	879	0	0	0	879	0	0	0	0	0	0	0
John A Supton College	21	0	0	0	21	0	0	0	0	0	0	0
King College (Tenn)	405	0	0	0	405	0	0	0	0	0	0	0
Knoxville College	3,730	0	0	0	3,730	0	0	0	0	0	0	0
Lambuth College	575	0	0	0	575	0	0	0	0	0	0	0
Lane College	2,630	0	0	0	2,440	0	0	190	0	0	0	0
Le Moyne-Owen College	3,617	0	0	0	3,303	0	0	94	0	0	220	0
Lee College (Tenn)	1,547	0	0	0	1,547	0	0	0	0	0	0	0
Lincoln Memorial Univ	1,969	0	0	0	1,969	0	0	0	0	0	0	0
Martin College	257	0	0	0	257	0	0	0	0	0	0	0
Maryville College	495	0	0	0	495	0	0	0	0	0	0	0
McKenzie College	742	0	0	0	742	0	0	0	0	0	0	0
Maharry Medical College	21,405	0	0	598	3,808	155	203	15,136	0	0	1,505	0
Memphis Academy of Arts	163	0	0	0	163	0	0	0	0	0	0	0
Memphis State University	8,510	0	43	264	4,901	135	105	1,745	708	60	454	95
Middle Tennessee St Univ	5,337	0	0	0	5,191	46	0	100	0	0	0	0
Milligan College	516	0	0	0	516	0	0	0	0	0	0	0
Motlow State Cmty College	1,281	0	0	0	1,281	0	0	0	0	0	0	0
Nashville State Tech Inst	20	0	0	0	0	0	0	0	0	0	20	0
O'Hara Sch Architect Inter	13	0	0	0	13	0	0	0	0	0	0	0
Rhodes College	519	0	0	0	519	0	0	0	0	0	0	0
Reame State Community Col	2,148	0	0	0	2,148	0	0	0	0	0	0	0
Shelby State Cmty College	3,407	0	0	0	3,407	0	0	0	0	0	0	0
Southern Col of Optometry	369	0	0	0	309	0	0	60	0	0	0	0
Southern Col of 7-Day Adv	1,155	0	0	0	1,155	0	0	0	0	0	0	0
State Tech Inst Memphis	1,552	0	0	0	1,536	0	0	0	0	0	16	0
Tenn Technological Univ	841	5	0	0	0	121	110	47	102	15	441	0
Tennessee Inst Electronic	100	0	0	0	100	0	0	0	0	0	0	0
Tennessee State Univ	15,607	4,504	0	50	8,223	14	0	2,247	0	398	171	0
Tennessee Temple Univ	1,031	0	0	0	1,031	0	0	0	0	0	0	0
Tennessee Wesleyan Col	500	0	0	0	500	0	0	0	0	0	0	0
Tomlinson College	299	0	0	0	299	0	0	0	0	0	0	0
Travessa Nazarene College	891	0	0	0	836	0	0	38	0	0	17	0
Tusculum College	812	0	0	0	812	0	0	0	0	0	0	0
Union University	833	0	0	0	833	0	0	0	0	0	0	0
Univ of Tenn System Off	1,651	40	34	1,392	0	70	0	25	0	0	0	90
Univ of Tennessee All Cmp	73,038	15,807	0	1,163	14,032	11,683	493	23,964	206	1,637	4,053	0
University of the South	610	0	0	0	610	0	0	0	0	0	0	0
Vanderbilt University	82,613	0	0	3,336	4,815	1,814	0	66,949	0	2,703	2,966	30
Volunteer State Cmty Col	800	0	0	0	800	0	0	0	0	0	0	0
Walters State Comm Coll	1,260	0	0	0	1,260	0	0	0	0	0	0	0
Texas, total	781,136	47,321	5,894	72,203	224,490	27,905	4,374	301,022	1,410	30,785	56,525	9,207
Abilene Christian Univ	2,145	0	0	0	2,061	84	0	0	0	0	0	0
Alamo Cmty Col Dist	9,136	0	0	0	9,136	0	0	0	0	0	0	0
Amarillo College	1,129	0	0	0	1,085	0	0	0	0	0	44	0
Arlington Baptist Coll	98	0	0	0	98	0	0	0	0	0	0	0
Austin Cmty Col (Tex)	3,547	0	0	0	3,547	0	0	0	0	0	0	0
Austin College	804	0	0	0	804	0	0	0	0	0	0	0
Baptist Miss Assoc Th Sem	11	0	0	0	11	0	0	0	0	0	0	0
Baylor Col of Dentistry	871	0	0	0	0	0	0	860	0	0	0	0
Baylor Col of Medicine	78,235	7,962	0	687	1,428	384	0	66,991	0	745	38	0
Baylor University	5,446	4	0	406	3,602	0	0	860	0	5	566	0
Brazosport College	236	0	0	0	236	0	0	0	0	0	0	0
Brookhaven College	627	0	0	0	627	0	0	0	0	0	0	0
Cedar Valley College	343	0	0	0	343	0	0	0	0	0	0	0
Central Texas College	1	0	0	0	0	0	0	1	0	0	0	0
Cisco Junior College	561	0	0	0	561	0	0	0	0	0	0	0
Clarendon College	8	0	0	0	0	0	0	0	0	0	0	0
College of the Mainland	543	0	0	0	543	0	0	0	0	0	0	0
Concordia Lutheran Col	350	0	0	0	350	0	0	0	0	0	0	0
Corpus Christi State Univ	1,372	0	0	0	1,304	0	0	68	0	0	0	0
Dallas Baptist College	778	0	0	0	778	0	0	0	0	0	0	0
Dallas Christian College	82	0	0	0	82	0	0	0	0	0	0	0
Del Mar College	2,607	0	0	0	2,547	0	0	0	0	0	60	0
DeVry Inst of Tech (TX)	3,159	0	0	0	3,159	0	0	0	0	0	0	0
East Texas Baptist Col	747	0	0	0	747	0	0	0	0	0	0	0
East Texas State Univ	3,118	0	0	0	3,118	0	0	0	0	0	0	0
El Paso Cmty College	164	0	0	0	0	0	0	126	0	0	38	0
Galveston College	14	0	0	0	0	0	0	0	0	0	14	0
Gulf Coast Bible College	201	0	0	0	201	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table E-17. Federal obligations to universities and colleges,
by State, institution, and agency: Fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	PHS	Int	NASA	NSF	Other 1/
Texas, cont'd												
Hardin-Simmons University	1,033	0	0	0	1,033	0	0	0	0	0	0	0
Houston Baptist Univ	905	0	0	0	905	0	0	0	0	0	0	0
Houston Community College	5,386	0	0	0	5,086	320	0	0	0	0	0	0
Howard Payne University	1,028	0	0	0	1,028	0	0	0	0	0	0	0
Huston-Tillotson College	2,312	0	0	0	2,312	0	0	0	0	0	0	0
Incarinate Word College	2,816	0	0	0	2,789	0	0	27	0	0	0	0
Inst for Christian Studie	18	0	0	0	18	0	0	0	0	0	0	0
ITT Tech Inst-Arlington	51	0	0	0	51	0	0	0	0	0	0	0
ITT Tech Inst-Houston	83	0	0	0	83	0	0	0	0	0	0	0
Jacksonville College	197	0	0	0	197	0	0	0	0	0	0	0
Jarvis Christian College	1,803	0	0	50	1,878	0	0	75	0	0	0	0
Lamar Univ., Port Arthur	1,049	0	0	0	1,049	0	0	0	0	0	0	0
Lamar University - Beasome	5,984	0	0	0	4,205	0	1,590	0	0	107	82	0
Lamar University, Orange	359	0	0	0	359	0	0	0	0	0	0	0
Laredo Junior College	3,949	0	0	0	3,949	0	0	0	0	0	0	0
Laredo State University	585	0	0	0	585	0	0	0	0	0	0	0
LeTourneau University	805	0	0	0	805	0	0	0	0	0	0	0
Lon Morris College	229	0	0	0	229	0	0	0	0	0	0	0
Lubbock Christian College	754	0	0	0	754	0	0	0	0	0	0	0
McMurry College	1,039	0	0	0	1,039	0	0	0	0	0	0	0
Midwestern State Univ	1,385	0	0	0	1,347	0	0	0	0	0	33	0
Northeast TX Com Col	10	0	0	0	0	0	0	0	0	0	10	0
Northlake College	334	0	0	0	334	0	0	0	0	0	0	0
Northwood Institute-Texas	224	0	0	0	224	0	0	0	0	0	0	0
Our Lady of the Lake Univ	2,165	0	0	0	2,135	0	0	29	1	0	0	0
Parker Coll of Chiropract	304	0	0	0	304	0	0	0	0	0	0	0
Paul Quinn College	1,920	0	0	0	1,895	0	0	25	0	0	0	0
Prairie View A & M Univ	14,093	5,285	0	20	7,301	515	0	540	0	331	101	0
Rice University	21,047	0	106	2,110	0	2,213	520	2,947	32	1,848	11,271	0
Sam Houston State Univ	2,836	20	0	0	2,806	0	0	0	0	10	0	0
Schreiner College	418	0	0	0	415	0	0	0	0	0	0	0
South Plains College	1,580	0	0	0	1,580	0	0	0	0	0	0	0
South Texas Col of Law	214	0	0	0	214	0	0	0	0	0	0	0
Southern Methodist Univ	9,054	0	0	4,961	2,488	184	0	767	0	87	567	0
Southwest Texas Jr Col	1,582	0	0	0	1,582	0	0	0	0	0	0	0
Southwest Texas St Univ	6,714	0	0	0	5,533	0	82	760	0	53	286	0
Southwestern Adventist C	515	0	0	0	515	0	0	0	0	0	0	0
Southwestern Univ (TX)	688	0	0	0	659	0	0	0	0	0	29	0
Southwestn Assemb God Col	665	0	0	0	665	0	0	0	0	0	0	0
Southwestn Christian Col	775	0	0	0	775	0	0	0	0	0	0	0
St Edward's University	2,509	0	0	0	2,484	0	0	25	0	0	0	0
St Mary's Univ S Antonio	3,583	0	0	0	2,940	0	0	343	0	0	300	0
Stephen F Austin St Univ	4,455	222	0	0	4,233	0	0	0	0	0	0	0
Sul Ross State University	1,216	0	0	0	1,216	0	0	0	0	0	0	0
Tarleton State University	53	0	0	0	0	0	0	0	0	0	53	0
Tampan Junior College	544	0	0	0	544	0	0	0	0	0	0	0
Texas A & I University	5,209	141	0	0	4,590	66	0	302	0	62	48	0
Texas A & M Univ Sys Off	6,539	36	0	525	0	0	0	47	55	187	0	5,489
Texas A & M University	81,890	33,294	4,468	3,102	9,552	5,339	226	8,478	285	3,356	13,515	283
Texas Christian Univ	261	0	0	0	261	0	0	0	0	0	0	0
Texas Col of Osteo Med	5,242	9	0	170	2,535	0	0	2,262	0	0	266	0
Texas College	2,961	0	0	0	0	0	0	2,772	0	60	129	0
Texas Lutheran College	1,874	0	0	0	1,874	0	0	0	0	0	0	0
Texas Southern Univ	708	0	0	0	666	0	0	0	0	0	42	0
Texas State Tech Inst	11,912	0	0	0	9,134	20	3	2,238	0	483	29	5
Texas Tech University	6,914	0	840	0	5,974	0	0	0	0	0	100	0
Texas Wesleyan University	15,366	83	25	1,182	7,944	483	590	3,837	0	200	1,022	0
Trinity University	707	0	0	0	668	0	0	39	0	0	0	0
Tyler Junior College	4,077	0	0	0	3,214	0	0	857	0	0	5	1
U of Houston Downtown Col	2,216	0	220	0	1,527	0	0	309	0	0	345	0
U of Houston Sys Off	3,956	0	0	0	2,855	771	230	0	0	0	0	0
U of Houston Univ Park	708	0	24	564	0	118	0	0	0	0	0	0
U of Texas at San Antonio	23,108	30	0	1,774	8,865	817	0	4,359	25	4,879	2,358	0
U of TX - Pan America	7,056	0	45	0	4,343	0	0	952	0	102	1,814	0
U Tex Hlth Sci Ctr Houstn	8,771	0	0	82	7,825	75	0	789	0	0	0	0
U Tex Hlth Sci Ctr S Anto	34,646	80	0	60	331	0	0	33,151	0	674	350	0
U Tex Sw Med Ctr - Dallas	40,094	0	0	860	565	0	0	37,656	0	0	813	0
U TX MD Anderson Cnctr Ctr	23,503	0	0	164	375	0	178	21,768	0	401	617	0
Univ of Mary Hardin-Baylor	56,419	0	0	125	0	0	0	54,704	0	1,208	382	0
Univ of North Texas	31,806	0	0	0	0	18	146	31,477	0	0	164	0
Univ of Tex at Arlington	951	0	0	0	951	0	0	0	0	0	0	0
Univ of Tex Permian Basin	7,951	0	0	552	6,214	20	51	438	0	0	676	0
Univ of Texas at Austin	9,003	0	0	1,112	5,946	0	105	1,182	0	262	394	0
Univ of Texas at Dallas	634	0	100	0	534	0	0	0	0	0	0	0
Univ of Texas at El Paso	109,480	142	66	51,802	1,304	15,584	653	14,671	220	6,921	15,004	3,113
Univ of Texas System Off	6,232	0	0	1,374	980	119	0	1,011	0	1,281	1,467	0
Univ Houston Ctr Lake City	13,153	0	0	486	7,813	197	0	1,235	12	92	3,202	116
	15,812	0	0	0	12,845	578	0	1,612	777	0	0	0
	8,701	0	0	0	966	0	0	154	0	7,431	180	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Texas, cont'd												
University of Dallas	1,065	0	0	0	840	0	0	0	0	0	225	0
University of St Thomas	923	0	0	0	923	0	0	0	0	0	0	0
Wayland Baptist College	1,156	0	0	0	1,156	0	0	0	0	0	0	0
West Texas State Univ	2,516	0	0	0	2,486	0	0	30	0	0	0	0
Wiley College	1,893	0	0	0	1,732	0	0	48	0	0	113	0
Utah, total	203,344	5,378	0	48,377	71,092	5,479	1,049	53,972	2,157	2,072	13,678	90
Brigham Young University	22,009	107	0	254	17,033	841	143	880	0	0	2,751	0
College of Eastern Utah	1,857	0	0	0	1,857	0	0	0	0	0	0	0
Utah State College	2,787	0	0	0	2,787	0	0	0	0	0	0	0
ITT Technical Institute	66	0	0	0	66	0	0	0	0	0	0	0
Salt Lake Community Col	5,941	0	0	0	5,941	0	0	0	0	0	0	0
Snow College	1,461	0	0	0	1,452	0	0	0	0	0	9	0
Southern Utah University	2,966	0	0	0	2,963	0	0	3	0	0	0	0
Stevens Henninger Col Bus	817	0	0	0	817	0	0	0	0	0	0	0
University of Utah	81,793	162	0	4,591	11,133	4,515	390	45,990	1,599	697	8,716	0
Utah State University	70,451	5,109	0	43,532	13,962	123	518	3,083	558	1,375	2,103	90
Utah Valley Comm Col	3,918	0	0	0	3,918	0	0	0	0	0	0	0
Weber State University	8,461	0	0	0	8,246	0	0	16	0	0	99	0
Westminster College (UT)	907	0	0	0	907	0	0	0	0	0	0	0
Vermont, total	52,601	5,625	0	355	15,148	588	14	28,939	144	116	1,609	63
Bennington College	546	0	0	0	546	0	0	0	0	0	0	0
Burlington College	400	0	0	0	400	0	0	0	0	0	0	0
Castleton State College	1,252	0	0	0	1,252	0	0	0	0	0	0	0
Champlain College	1,088	0	0	0	1,088	0	0	0	0	0	0	0
Col of St Joseph the Prov	1,060	0	0	0	1,060	0	0	0	0	0	0	0
Goddard College	292	0	0	0	292	0	0	0	0	0	0	0
Green Mountain College	293	0	0	0	293	0	0	0	0	0	0	0
Johnson State College	338	0	0	0	338	0	0	0	0	0	0	0
Lyndon State College	1,602	0	0	0	1,608	0	14	0	0	0	0	0
Marlboro College	1,056	0	0	0	1,056	0	0	0	0	0	0	0
Middlebury College	244	0	0	0	244	0	0	0	0	0	0	0
Norwich University	1,371	0	0	54	1,073	0	0	0	0	76	168	0
School for Intl Training	1,940	0	0	0	1,871	0	0	0	25	44	0	0
St Joseph Col (VT)	123	0	0	0	123	0	0	0	0	0	0	0
St Michael's College	715	0	0	0	715	0	0	0	0	0	0	0
Sterling Institute	793	0	0	0	730	0	0	0	0	0	0	63
Trinity Col (VI)	32	0	0	0	32	0	0	0	0	0	0	0
Univ of VT & St Agric Col	1,413	0	0	0	1,403	0	0	0	0	0	10	0
Vermont Law School	38,999	5,625	0	301	0	588	0	28,939	144	15	1,387	0
Vermont Technical College	238	0	0	0	238	0	0	0	0	0	0	0
	806	0	0	0	806	0	0	0	0	0	0	0
Virginia, total	297,855	18,921	3,679	14,704	103,392	12,432	2,042	93,675	2,105	18,292	22,497	6,116
Averett College	593	0	0	0	571	0	0	0	0	0	22	0
Blue Ridge Community Col	162	0	0	0	162	0	0	0	0	0	0	0
Bluefield College	218	0	0	0	218	0	0	0	0	0	0	0
Bridgewater College	436	0	0	0	436	0	0	0	0	0	0	0
Central Virginia Cmty Col	506	0	0	0	506	0	0	0	0	0	0	0
College of William & Mary	7,740	0	1,041	209	2,449	262	219	151	0	1,365	2,044	0
Comm Hosp Roanoke Val Col	46	0	0	0	46	0	0	0	0	0	0	0
Commonwealth Coll, VA Bch	2,841	0	0	0	2,841	0	0	0	0	0	0	0
Commonwealth College	1,185	0	0	0	1,185	0	0	0	0	0	0	0
Dabney Lancaster Cmty Col	634	0	0	0	634	0	0	0	0	0	0	0
Danville Community Col	581	0	0	0	581	0	0	0	0	0	0	0
E Mennonite Coll & Sem	1,324	0	0	0	1,258	0	0	0	0	0	66	0
Eastern Shore Cmty Col	525	0	0	0	175	0	0	0	0	0	0	350
Eastern VA Medical School	7,288	0	0	0	228	0	0	2,771	0	139	0	4,150
Emory & Henry College	456	0	0	0	456	0	0	0	0	0	0	0
Ferrum College	677	0	0	0	677	0	0	0	0	0	0	0
George Mason University	8,043	1	138	1,577	3,853	110	0	885	0	119	975	385
Germanna Community Col	182	0	0	0	182	0	0	0	0	0	0	0
Hampden-Sydney College	347	0	0	0	285	54	0	0	0	0	0	0
Hampton University	11,808	0	100	1,199	4,949	396	28	1,587	0	2,321	1,225	3
Hollins College	282	0	0	0	282	0	0	0	0	0	0	0
J Sgt Reynolds Com Col	2,083	0	0	0	2,083	0	0	0	0	0	0	0
James Madison University	2,167	1	0	0	1,934	0	0	0	0	0	232	0
John Tyler Community Col	964	0	0	0	964	0	0	0	0	0	0	0
Liberty University	4,664	0	0	0	4,664	0	0	0	0	0	0	0
Longwood College	1,070	0	0	0	1,035	0	0	0	0	0	0	0
Lord Fairfax Cmty College	543	0	0	0	548	0	0	0	0	36	0	0
Lynchburg College	688	0	0	0	688	0	0	0	0	0	0	0
Mary Baldwin College	454	0	0	0	442	0	0	0	0	0	12	0
Mary Washington College	703	0	0	0	703	0	0	0	0	0	0	0
Marymount Col of Virginia	384	0	0	0	381	0	0	3	0	0	0	0
Mountain Empire Cmty Col	1,813	0	0	0	1,788	0	0	0	0	0	25	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOE	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Virginia, cont'd												
National Business College	1,721	0	0	0	1,721	0	0	0	0	0	0	0
New River Community Col	1,519	0	0	0	1,519	0	0	0	0	0	0	0
Norfolk State University	8,590	0	0	0	7,827	88	0	558	0	147	0	0
Northern VA Community Col	1,948	0	0	0	1,948	0	0	0	0	0	0	0
Old Dominion University	11,095	0	0	213	4,313	457	0	386	5	4,358	1,363	0
Patrick Henry Cnty Col	722	0	0	0	722	0	0	0	0	0	0	0
Paul D Camp Cnty College	533	0	0	0	533	0	0	0	0	0	0	0
Piedmont VA Community Col	533	0	0	0	533	0	0	0	0	0	0	0
Radford University	2,263	0	0	0	2,225	0	0	14	0	0	24	0
Randolph-Macon College	222	0	0	0	222	0	0	0	0	0	0	0
Randolph-Macon Womens Col	262	0	0	0	257	0	0	0	0	0	0	0
Roanoke Cnty College	160	0	0	0	160	0	0	0	0	0	0	0
Roanoke College	674	0	0	0	659	0	0	0	0	0	15	0
Shenandoah University	562	0	0	0	562	0	0	0	0	0	0	0
Southern Seminary Jr Col	149	0	0	0	149	0	0	0	0	0	0	0
Southside VA Cnty College	801	0	0	0	800	0	0	0	0	0	101	0
Southwest VA Cnty Col	2,509	0	0	0	2,509	0	0	0	0	0	0	0
St Paul's Col (VA)	1,325	0	0	0	1,325	0	0	0	0	0	0	0
Sweet Briar College	227	0	0	0	173	0	0	0	0	0	54	0
Thomas Nelson Cnty Col	1,763	0	0	0	1,748	0	0	0	0	15	0	0
Tidewater Community Col	2,429	0	0	371	2,458	0	0	0	0	0	0	0
University of Richmond	990	2	0	0	642	105	0	172	0	38	31	0
University of Virginia	72,701	1	2,139	4,964	6,524	2,952	575	40,705	225	5,009	9,208	457
Virginia College	18	0	0	0	0	0	0	0	0	18	0	0
Virginia Commonwealth Univ	52,409	0	0	924	6,032	242	152	43,281	0	411	547	0
Virginia Intermont Col	485	0	0	0	485	0	0	0	0	0	0	0
Virginia Military Inst	457	0	24	0	432	0	0	0	0	0	1	0
Virginia State University	18,172	3,942	0	95	5,238	384	0	335	0	188	0	0
Virginia Union University	2,890	0	0	0	2,890	0	0	0	0	0	0	0
Virginia Wesleyan College	534	0	0	0	534	0	0	0	0	0	0	0
Virginia Western Comm Col	1,077	0	0	0	1,077	0	0	0	0	0	0	0
VA Highlands Cnty College	1,017	0	0	0	1,017	0	0	0	0	0	0	0
VA Polytech Inst & St U	81,111	14,954	237	9,152	6,133	7,492	1,068	2,627	1,875	4,129	8,473	771
Washington & Lee Univ	318	0	0	0	264	0	0	0	0	0	54	0
Wytheville Community Col	1,737	0	0	0	1,737	0	0	0	0	0	0	0
Washington, total												
Art Institute of Seattle	1,138	0	0	0	1,138	0	0	0	0	0	0	0
Bellvue Community Col	1,124	0	0	0	1,124	0	0	0	0	0	0	0
Big Bend Community Col	775	0	0	0	775	0	0	0	0	0	0	0
Central Washington Univ	3,673	0	0	0	3,585	0	0	0	88	0	0	0
Centralia College	1,385	0	0	0	1,385	0	0	0	0	0	0	0
City College	262	0	0	0	262	0	0	0	0	0	0	0
Clark College	1,659	0	0	0	1,659	0	0	0	0	0	0	0
Cogswell College North	4	0	0	0	4	0	0	0	0	0	0	0
Columbia Basin College	1,473	0	0	0	1,473	0	0	0	0	0	0	0
Eastern Washington Univ	4,257	0	0	0	5,773	0	0	243	30	162	49	0
Edmonds Community College	972	0	0	0	972	0	0	0	0	0	0	0
Everett Community College	1,245	0	0	0	1,244	0	0	1	0	0	0	0
Evergreen State College	2,560	0	0	0	2,301	0	0	0	0	0	259	0
Fort Steilacoom Cnty Col	794	0	0	0	794	0	0	0	0	0	0	0
Gonzaga University	4,124	598	0	0	3,292	0	0	85	0	0	149	0
Grays Harbor College	848	0	0	0	848	0	0	0	0	0	0	0
Green River Cnty College	2,111	0	0	0	2,111	0	0	0	0	0	0	0
Griffin College	1,534	0	0	0	1,534	0	0	0	0	0	0	0
Heritage College	1,059	0	0	0	1,034	0	0	25	0	0	0	0
John Bastyr Col Med	63	0	0	0	63	0	0	0	0	0	0	0
Lower Columbia College	1,087	0	0	0	1,087	0	0	0	0	0	0	0
NW Col Assemblies of God	372	0	0	0	372	0	0	0	0	0	0	0
Olympic College	1,239	0	0	0	1,239	0	0	0	0	0	0	0
Pacific Lutheran Univ	2,094	0	0	0	2,027	0	0	28	0	0	39	0
Puget Snd Christian Col	64	0	0	0	64	0	0	0	0	0	0	0
Seattle Community College	6,774	0	0	0	6,772	0	0	2	0	0	0	0
Seattle Pacific Univ	1,807	0	0	0	1,787	0	0	19	0	0	31	0
Seattle University	2,592	0	0	0	2,592	0	0	0	0	0	0	0
Shoreline Community Col	1,191	0	0	0	1,191	0	0	0	0	0	0	0
So Puget Sound Cnty Col	951	0	0	0	951	0	0	0	0	0	0	0
Spokane Community College	4,090	0	0	0	4,090	0	0	0	0	0	0	0
Spokane Falls Cnty Col	2,183	0	0	0	2,145	0	0	0	0	0	0	0
St Martin's College	867	0	0	0	862	0	0	5	0	0	0	0
Tacoma Community College	1,919	0	0	0	1,804	0	0	115	0	0	0	0
University of Puget Sound	2,628	0	0	0	2,522	0	3	0	1	37	65	0
University of Washington	263,025	2,404	5,118	27,464	13,130	8,237	1,283	167,097	1,290	7,126	28,459	1,417
Walla Walla College	1,486	0	0	0	1,461	0	0	25	0	0	0	0
Walla Walla Community Col	1,556	0	0	0	1,554	0	0	2	0	0	0	0
Washington State Univ	38,685	12,886	127	1,187	8,180	2,095	489	6,919	104	258	4,289	151
Wenatchee Valley Col	957	0	0	0	957	0	0	0	0	0	0	0
Western Washington Univ	5,539	0	0	396	4,059	0	81	92	0	0	931	0
Whatcom Community College	651	0	0	0	651	0	0	0	0	0	0	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

(Dollars in thousands)

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State and institution	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Washington, cont'd												
Whitman College	728	0	0	0	656	0	0	0	0	0	72	0
Whitworth College	1,512	0	0	0	1,512	0	0	0	0	0	0	0
Yakima Valley Cmty Col	2,165	0	0	0	2,165	0	0	0	0	0	0	0
West Virginia, total	71,867	10,299	355	211	39,280	5,278	1,943	8,264	2,534	1,382	1,368	963
Alderson Broadus College	1,013	0	0	0	898	0	0	115	0	0	0	0
Appalachian Bible College	162	0	0	0	162	0	0	0	0	0	0	0
Beckley College	2,043	0	0	0	1,086	958	0	0	0	0	0	0
Bethany College (WV)	1,050	0	0	0	961	0	0	0	0	0	0	0
Bluefield State College	2,571	0	0	0	2,521	0	0	0	50	0	89	0
Davis & Elkins College	1,230	0	0	0	1,230	0	0	0	0	0	0	0
Fairmont State College	2,543	0	0	0	2,510	0	0	0	0	0	33	0
Glenville State College	1,412	0	0	0	1,412	0	0	0	0	0	0	0
Huntington Jr College	666	0	0	0	666	0	0	0	0	0	0	0
Marshall University	7,183	25	247	0	5,223	0	0	1,680	0	0	8	0
Mountain State College	280	0	0	0	280	0	0	0	0	0	0	0
Ohio Valley College	282	0	0	0	282	0	0	0	0	0	0	0
Potomac St Col of WVA Un	663	0	0	0	663	0	0	0	0	0	0	0
Salom College	1,139	0	0	0	1,139	0	0	0	0	0	0	0
Shepherd College	768	1	0	0	693	0	0	0	0	74	0	0
Southern W VA Cmty Col	1,141	0	0	0	1,141	0	0	0	0	0	0	0
U WV Col Graduate Studies	3	0	0	0	3	0	0	0	0	0	0	0
University of Charleston	654	0	0	0	654	0	0	0	0	0	0	0
W VA Northern Cmty Col	1,827	0	0	0	1,827	0	0	0	0	0	0	0
W VA Schl Osteopathic Med	175	0	0	0	52	0	0	113	0	0	0	0
West Liberty State Col	4,433	0	0	0	4,433	0	0	0	0	0	0	0
West Virginia Inst Tech	1,833	0	100	0	1,709	0	0	0	0	0	0	0
West Virginia State Col	251	0	0	0	0	9	0	154	0	0	24	0
West Virginia University	35,520	10,273	8	211	7,713	4,320	1,834	6,356	2,330	219	1,203	953
West Virginia Wesleyan Col	1,015	0	0	0	1,004	0	0	0	0	0	11	0
Wheeling College	2,918	0	0	0	1,009	0	0	0	0	1,001	0	0
Wisconsin, total	332,004	17,544	2,465	7,788	107,362	18,320	1,860	120,982	835	13,439	38,679	2,732
Alverno College	1,185	0	0	0	1,182	0	3	0	0	0	0	0
Bellini Coll of Nursing	32	0	0	0	32	0	0	0	0	0	0	0
Beloit College	1,008	0	0	0	816	0	0	0	0	133	59	0
Cardinal Stritch College	626	0	0	0	626	0	0	0	0	0	0	0
Carroll College (WI)	1,265	0	0	0	1,216	0	0	21	0	0	28	0
Carthage College	791	0	0	0	787	0	0	0	0	0	0	0
Concordia University, WI	703	0	0	0	703	0	0	0	0	0	0	0
Edgewood College	396	0	0	0	396	0	0	0	0	0	0	0
Gateway Technical Inst	2	0	0	0	0	0	0	0	0	0	0	0
Inst of Paper Sci & Tech	1,112	0	0	0	0	1,112	0	2	0	0	0	0
Lac Courte Oreilles Ojibwa	369	0	0	0	0	0	0	0	0	0	0	0
Lakeland College	742	0	0	0	742	0	0	0	369	0	0	0
Lawrence University	918	0	0	0	695	0	0	0	0	0	223	0
Marquette Baptist Bible C	267	0	0	0	267	0	0	0	0	0	0	0
Marquette Col of Fond Du Lac	640	0	0	0	640	0	0	0	0	0	0	0
Marquette University	10,491	200	0	71	7,184	82	34	1,535	0	373	1,042	0
Medical College of Wis	22,918	75	0	0	240	0	193	21,422	0	287	353	348
Milwaukee Area Tech Col	5,997	0	0	0	5,997	0	0	0	0	0	0	0
Milwaukee Inst Art & Dgn	253	0	0	0	253	0	0	0	0	0	0	0
Milwaukee School of Eng	1,471	0	0	0	1,379	0	0	0	0	0	92	0
Milwaukee Stratton Col	540	0	0	0	540	0	0	0	0	0	0	0
Mount Mary College	594	0	0	0	587	0	0	7	0	0	0	0
Mount Senario College	893	0	0	0	893	0	0	0	0	0	0	0
North Central Tech Inst	1,953	0	0	0	1,953	0	0	0	0	0	0	0
Northland College	1,192	0	0	0	1,171	0	0	10	0	0	11	0
Northwestern Col (WI)	121	0	0	0	121	0	0	0	0	0	0	0
Ripon College	741	0	0	0	638	0	0	0	0	0	103	0
Silver Lake College	398	0	0	0	398	0	0	0	0	0	0	0
St Norbert College	1,254	0	0	0	1,226	0	0	0	0	0	0	0
Univ of Wis-Center System	515	0	0	0	0	515	0	0	0	14	14	0
Univ of Wis-Eau Claire	6,886	0	0	0	6,651	0	0	142	0	0	0	0
Univ of Wis-Green Bay	2,768	0	0	0	2,544	0	0	0	224	0	93	0
Univ of Wis-La Crosse	4,449	0	0	0	4,403	0	0	0	13	0	33	0
Univ of Wis-Madison	183,443	17,191	146	4,990	3,148	16,376	1,255	94,634	227	12,604	32,798	74
Univ of Wis-Milwaukee	17,279	1	100	1,370	9,226	219	0	2,554	0	28	2,309	1,472
Univ of Wis-Oshkosh	4,749	0	0	0	4,420	0	0	194	0	0	135	0
Univ of Wis-Parke	2,561	0	0	79	2,182	0	0	232	0	0	60	0
Univ of Wis-Platteville	3,392	0	0	0	3,372	0	0	0	0	0	17	0
Univ of Wis-River Falls	2,967	0	0	0	2,581	0	0	24	2	0	386	0
Univ of Wis-Stevens Point	6,256	1	0	0	6,077	0	0	0	0	0	252	0
Univ of Wis-Stout	5,528	0	0	0	5,613	0	0	0	0	0	15	0
Univ of Wis-Superior	2,381	0	0	0	1,902	0	375	0	0	0	104	0
Univ of Wis-Whitewater	4,759	0	0	0	4,716	16	0	0	0	0	27	0
Univ of Wisconsin Sys Off	21,780	73	2,219	1,278	16,714	0	0	205	0	0	455	838
Viterbo College	1,131	0	0	0	1,106	0	0	0	0	0	25	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-17. Federal obligations to universities and colleges,
by State, institution, and agency: fiscal year 1990

[Dollars in thousands]

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State and institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Wisconsin, cont'd												
Western Wisc Tech Inst	2,146	0	0	0	2,133	0	0	0	0	0	13	0
Wisconsin Lutheran Col	142	0	0	0	142	0	0	0	0	0	0	0
Wyoming, total	19,944	3,466	0	1,042	7,756	324	70	1,531	562	259	4,583	351
Northwest College	38	0	0	0	0	0	0	0	0	0	38	0
University of Wyoming	18,721	3,466	0	1,042	6,587	324	70	1,531	546	259	4,545	351
Western Wyoming Cmty Col	16	0	0	0	0	0	0	0	16	0	0	0
Wyoming Technical Instit.	1,169	0	0	0	1,169	0	0	0	0	0	0	0
Guam, total	4,150	1,708	58	0	1,122	0	0	1,021	104	0	57	0
Guam Community College	236	0	0	0	236	0	0	0	0	0	0	0
University of Guam	3,914	1,708	58	0	886	0	0	1,021	104	0	57	0
Puerto Rico, total	249,379	11,632	721	562	214,569	27	3	17,015	104	284	4,397	65
American Univ Puerto Rico	7,860	0	0	0	7,860	0	0	0	0	0	0	0
Antillian College	1,496	0	0	0	1,496	0	0	0	0	0	0	0
Atlantic College	619	0	0	0	619	0	0	0	0	0	0	0
Bayamon Central Univ	5,751	0	0	0	5,751	0	0	0	0	0	0	0
Bayamon Tech Univ College	182	0	0	0	182	0	0	0	0	0	0	0
Caribbean University	5,725	0	0	0	5,725	0	0	0	0	0	0	0
Catholic Univ of P R	22,536	0	0	0	22,139	0	0	397	0	0	0	0
Center Adv Stud Pr&Carib	4	0	0	0	4	0	0	0	0	0	0	0
Colegio Bib Pentecostl PR	121	0	0	0	121	0	0	0	0	0	0	0
Conserv of Music of P R	134	0	0	0	134	0	0	0	0	0	0	0
Huertas Junior College	3,175	0	0	0	3,175	0	0	0	0	0	0	0
Inst Tec Com De P Rico	1,869	0	0	0	1,869	0	0	0	0	0	0	0
Inter Am U Pr-Ctrl Off	1,083	0	0	0	826	0	0	157	0	0	100	0
Inter Am U Pr-San German	41,380	0	0	0	41,351	0	0	0	0	0	29	0
Polytech Univ of P R	4,405	0	0	0	4,405	0	0	0	0	0	0	0
Ponce School of Medicine	3,096	0	0	0	0	0	0	3,096	0	0	0	0
Puerto Rico Jr Col	36,302	0	0	0	36,302	0	0	0	0	0	0	0
Turabo University College	7,199	0	0	0	7,199	0	0	0	0	0	0	0
U of P R System Off	3,247	0	621	90	0	0	0	342	0	0	2,194	0
U Ctr1 Del Caribe Esc Med	459	0	0	0	63	0	0	396	0	0	0	0
U P R - Carolina Reg Col	364	0	0	0	364	0	0	0	0	0	0	0
U P R - Regional Col Admn	59,640	0	0	0	59,202	0	0	0	0	0	373	65
Un of Pr Ponce Tech Univ	29	0	0	0	29	0	0	0	0	0	0	0
Un of PR Arecibo Tech Un	353	0	0	0	353	0	0	0	0	0	0	0
Univ of the Sacred Heart	9,748	0	0	0	9,709	0	0	0	0	0	39	0
Univ of P R-Cayey U Col	658	0	0	0	461	0	0	207	0	0	0	0
Univ of P R-Humacao U Col	1,006	0	0	0	455	0	0	538	0	0	13	0
Univ of P R-Mayaguez	14,642	11,632	100	170	264	27	0	424	104	284	1,637	0
Univ of P R-Med Sci Campus	9,620	0	0	221	0	0	0	9,387	0	0	12	0
Univ of P R-Rio Piedras	3,358	0	0	81	1,203	0	3	2,071	0	0	0	0
Universidad Metropolitana	3,308	0	0	0	3,308	0	0	0	0	0	0	0
American Samoa, total	1,555	1,073	0	0	427	0	0	30	0	0	25	0
American Samoa Cmty Col	1,555	1,073	0	0	427	0	0	30	0	0	25	0
Virgin Islands, total	3,299	1,692	0	0	1,146	0	0	325	104	0	32	0
U of the Virgin Islands	3,299	1,692	0	0	1,146	0	0	325	104	0	32	0
Trust Territory Pac Isl, total	5,393	1,835	157	0	3,338	0	0	63	0	0	0	0
Cmty Col of Micronesia	2,601	841	0	0	1,697	0	0	63	0	0	0	0
Micronesian Occup College	1,641	0	0	0	1,641	0	0	0	0	0	0	0
No Marianas College	1,151	994	157	0	0	0	0	0	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990

Table C-18. Federal obligations to historically black colleges.
Ranked in descending order of total amount received: fiscal years 1983-90 1/

[Dollars in thousands]

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Institution (ranked by Rank amount received in fiscal year 1990)	1983	1984	1985	1986	1987	1988	1989	1990
Total, all institutions	373,041	575,080	540,741	581,877	629,447	640,887	699,611	704,960
1 Howard University	144,807	180,733	163,879	169,084	166,784	168,947	175,594	186,575
2 Southern U & AMM College	8,486	17,155	16,943	14,850	22,651	24,907	26,311	23,909
3 Meharry Medical College	11,852	8,944	9,904	8,779	13,788	15,566	17,545	21,405
4 Florida A & M University	4,508	9,132	10,481	11,376	12,341	12,088	14,640	18,068
5 Jackson State University	4,992	10,492	11,033	16,451	14,973	15,760	18,189	17,537
6 Tuskegee University	16,362	23,242	13,681	14,281	20,021	16,656	16,746	16,610
7 Tennessee State Univ	12,357	15,046	14,756	11,982	11,959	12,637	14,032	15,607
8 NC Ag & Tech State Univ	10,367	11,331	10,542	11,396	18,757	14,864	16,114	15,320
9 Prairie View A & M Univ	7,108	11,421	10,966	11,713	12,456	15,332	13,281	14,093
10 Morehouse School of Med	1,249	6,503	1,125	2,562	5,648	9,019	11,942	13,171
Total 1st 10 institutions	222,088	293,999	263,310	272,474	299,378	305,776	324,394	342,295
11 Grambling State Univ	3,605	7,602	7,432	12,073	9,826	10,501	12,702	12,646
12 Alabama A & M University	5,707	8,808	8,351	9,407	10,313	10,535	10,904	12,449
13 Texas Southern Univ	3,210	6,894	5,785	7,440	8,190	9,763	11,285	11,912
14 Clark Atlanta University	4,821	7,900	8,941	13,268	15,646	15,175	13,381	11,884
15 Hampton University	3,739	6,358	5,975	6,844	7,195	8,885	10,193	11,808
16 South Carolina St College	4,629	7,330	9,341	9,055	7,626	8,646	10,201	10,386
17 Virginia State University	5,243	7,503	8,258	12,084	8,066	8,418	9,649	10,172
18 Univ of Ark Pine Bluff	3,609	5,644	6,158	7,137	7,708	8,195	11,993	9,879
19 Alcorn State University	5,032	7,433	6,867	7,755	7,178	7,959	8,086	9,847
20 Xavier University of LA	2,330	4,812	4,959	4,847	6,573	8,209	17,477	9,200
Total 1st 20 institutions	264,013	364,283	335,377	362,384	387,699	402,062	440,265	452,478
21 Norfolk State University	5,974	6,261	6,815	7,254	7,704	7,590	10,085	8,590
22 Fort Valley State College	4,827	6,612	6,393	6,822	6,634	6,646	7,325	8,181
23 Kentucky State University	5,643	5,948	5,751	5,843	11,834	10,117	10,504	7,867
24 Alabama State University	2,026	5,193	6,044	6,561	6,523	6,910	7,813	7,317
25 Lincoln University (MO)	4,272	5,148	5,384	5,389	5,189	5,181	5,931	6,758
26 Morgan State University	2,716	5,068	5,660	5,251	4,978	5,561	6,352	6,439
27 Langston University	2,839	4,264	4,196	4,645	4,592	5,331	5,936	6,411
28 U of MD Eastern Shore	3,181	4,178	3,909	3,945	3,874	4,333	5,138	6,178
29 Miss Valley State Univ	1,759	4,684	4,618	5,302	6,370	6,505	6,788	6,156
30 Bethune Cookman College	1,543	4,127	4,174	5,017	7,588	10,785	5,478	5,817
Total 1st 30 institutions	298,793	415,766	388,321	418,413	452,985	471,021	511,615	522,192
31 North Carolina Cntrl Univ	2,601	5,747	5,542	5,706	6,176	6,572	5,790	5,779
32 Morehouse College	1,200	2,575	6,184	2,670	4,603	3,152	3,773	5,414
33 Benedict College	1,920	3,411	4,793	4,207	4,691	4,508	4,757	5,327
34 University of D C	2,271	6,478	6,302	6,621	5,129	4,477	5,518	4,997
35 Coppin State College	1,164	3,248	3,039	3,794	4,649	3,767	3,708	4,881
36 St Augustines College	3,846	7,179	4,018	4,286	4,802	5,948	5,095	4,809
37 Fayetteville State Univ	1,312	4,051	3,788	4,478	4,054	4,175	4,747	4,790
38 Delaware State College	2,338	2,865	2,921	3,065	3,400	3,625	3,526	4,522
39 Shaw University	1,618	3,086	2,985	3,814	3,191	3,402	6,934	4,394
40 Florida Memorial College	879	3,290	3,475	3,921	4,423	3,074	6,052	4,378
Total 1st 40 institutions	317,942	457,696	431,368	460,975	498,103	513,721	561,515	571,483
41 Morris Brown College	1,026	3,084	2,625	3,551	3,960	3,550	4,061	4,345
42 Albany State College	2,092	3,007	2,654	3,472	2,976	4,160	4,002	4,269
43 Winston-Salem State Univ	1,084	3,787	3,692	4,002	4,027	3,696	3,950	4,133
44 Dillard University	1,231	2,748	3,320	3,312	3,880	3,215	3,720	4,130
45 Wilberforce University	2,206	4,089	3,793	4,176	3,910	4,111	3,717	4,001
46 Lincoln University (PA)	1,416	2,986	3,595	3,377	3,016	3,455	3,441	3,983
47 Spelman College	553	2,450	2,364	2,597	2,793	3,424	3,067	3,872
48 Coahoma Community College	3,268	2,564	3,655	3,144	2,932	3,636	3,389	3,796
49 Knoxville College	737	1,933	1,931	1,308	2,179	2,386	3,669	3,730
50 Tougaloo College	1,364	2,265	2,474	3,082	2,630	3,561	3,676	3,721
Total 1st 50 institutions	332,919	486,609	458,161	490,166	530,406	548,915	598,207	611,463

See explanatory material, if any, and SOURCE, at end of table.

Table C-18. Federal obligations to historically black colleges,
ranked in descending order of total amount received: fiscal years 1983-90 1/

[Dollars in thousands]

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Institution (ranked by amount received Rank in fiscal year 1990)	1983	1984	1985	1986	1987	1988	1989	1990
51 Elizabeth City State Univ	912	2,963	2,704	3,157	3,010	3,293	3,715	3,644
52 Savannah State College	1,564	3,666	2,720	3,348	2,990	3,198	3,624	3,618
53 Le Moyne-Owen College	1,280	2,246	2,084	3,031	2,938	2,974	3,678	3,617
54 Rust College	1,146	1,986	3,285	3,377	2,969	3,085	5,609	3,600
55 Johnson C Smith Univ	1,085	2,629	3,754	3,055	2,856	3,271	3,190	3,449
56 U of the Virgin Islands	2,314	1,713	2,768	2,009	4,942	3,093	3,040	3,299
57 Stillman College	584	2,267	2,503	2,422	3,605	2,715	2,884	3,105
58 Claflin College	738	2,168	2,141	2,266	2,756	2,637	2,720	3,092
59 Fisk University	1,186	2,142	2,568	3,329	3,148	2,541	2,766	3,076
60 Virginia Union University	887	2,555	2,115	2,738	2,635	2,907	3,004	2,890
Total 1st 60 institutions	344,615	510,944	484,803	518,898	562,255	578,629	632,437	644,853
61 Voorhees College	1,070	1,854	2,109	2,443	2,814	2,425	2,463	2,732
62 Talladega College	1,221	1,612	1,516	2,288	2,710	2,377	2,310	2,722
63 Bowie State University	712	1,839	1,616	1,860	2,021	2,766	2,365	2,662
64 Lane College	787	2,211	2,406	2,016	2,567	2,139	2,581	2,630
65 Bluefield State College	424	1,396	1,311	1,365	1,988	2,304	2,777	2,571
66 Morris College	460	2,487	2,038	2,104	2,808	2,717	2,735	2,563
67 Oakwood College	848	2,347	1,453	2,352	1,477	1,930	2,242	2,358
68 Mary Holmes College	624	2,332	1,984	1,457	1,659	1,655	2,611	2,335
69 Huston-Tillotson College	442	1,070	1,387	1,022	1,758	1,534	1,540	2,312
70 Paine College	848	2,387	2,509	2,286	2,060	2,343	1,946	2,269
Total 1st 70 institutions	352,051	530,449	503,132	538,091	584,117	600,819	656,007	670,007
71 Lawson State Cmty College	1,546	2,273	1,890	2,231	2,223	2,161	2,540	2,249
72 Bishop St Comm Col	490	1,782	1,981	2,168	2,303	2,386	2,166	2,177
73 Edward Waters College	992	2,196	1,769	4,935	2,028	2,110	2,240	2,120
74 Philander Smith College	509	1,236	1,180	1,374	1,854	1,840	2,125	2,068
75 Miles College	1,040	2,340	1,824	1,747	1,865	2,110	2,327	1,984
76 Bennett College (NC)	720	1,121	1,241	1,801	2,148	2,026	4,772	1,944
77 Paul Quinn College	2,134	1,365	1,298	1,404	1,420	1,466	1,552	1,920
78 Wiley College	454	1,582	1,453	1,325	1,737	1,699	1,667	1,893
79 Texas College	1,622	5,779	1,726	1,481	1,601	2,009	1,571	1,874
80 Jarvis Christian College	2,857	1,868	1,481	1,500	1,807	1,707	1,854	1,803
Total 1st 80 institutions	364,415	551,989	518,975	558,057	602,900	620,333	678,821	690,039
81 Selma University	708	1,128	815	953	1,225	1,553	1,403	1,657
82 Livingstone College	90	1,665	1,304	1,417	1,496	1,475	1,551	1,551
83 Trenholm St Tech Col	-	0	855	765	944	1,717	1,418	1,442
84 St Paul's Col (VA)	716	1,433	1,486	1,659	2,040	1,599	1,300	1,335
85 Carver State Tech College	-	-	-	-	-	-	-	1,271
86 Concordia College	195	852	781	994	1,571	1,114	1,031	1,254
87 Barber-Scotia College	444	1,232	1,102	1,266	1,296	999	1,381	1,066
88 Arkansas Baptist College	42	365	365	374	765	985	980	812
89 Southwestern Christian Col	63	712	727	828	815	815	888	775
90 J F Drake St Tech	-	0	160	298	1,037	689	734	738
Total 1st 90 institutions	366,673	559,376	526,479	566,510	614,102	631,279	689,507	701,940
91 C A Fredd State Tech Coll	-	-	-	-	-	-	-	718
92 Central State University	1,756	4,040	4,759	4,773	4,063	210	333	672
93 Allen University	36	582	526	674	638	598	734	650
94 Shorter College	56	435	256	352	595	550	638	527
95 West Virginia State Col	1,016	2,193	1,996	2,228	2,487	2,418	2,923	251
96 Clinton Junior College	1	11	11	11	34	0	0	86
97 Interdenomina Theol Ctr	0	0	0	68	73	75	76	75
98 Prentiss Morm & Ind Inst	257	333	205	182	320	274	185	41
Bishop College	824	2,515	1,737	1,749	1,221	120	0	0
Cheyney Univ of Penn	1,002	1,845	2,409	2,070	2,533	2,676	2,604	0
Total 1st 100 institutions	371,621	571,330	538,378	578,617	626,066	638,200	697,000	704,960
Harris Stowe State Col	0	674	572	768	1,326	1,579	2,160	0
Hinds J Co Dist Utica Cam	716	1,295	1,306	1,735	1,183	1,006	101	0
Lomax-Hannon Jr College	166	0	0	0	0	0	0	0
Morristown College	89	624	485	757	872	102	350	0
Shaw College at Detroit	449	1,165	0	0	0	0	0	0
Total 1st 105 institutions	373,041	575,088	540,741	581,877	629,447	640,887	699,611	704,960

1/ Institutions having no current-year obligations are listed in alphabetical order.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1990

Table C-19. Federal obligations to historically black colleges,
ranked in descending order of total amount received, by type of activity: fiscal year 1990

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by total Federal obligations)	Total, all activi- ties	Academic science and engineering						Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
	Total, all institutions	704,960	176,016	101,028	682	298	15,432	23,653	34,923	528,944
	1 Howard University	186,575	20,613	15,541	0	45	1,139	3,373	515	165,962
	2 Southern U & A&M College	23,909	5,580	2,079	0	40	325	749	2,387	18,329
	3 Meharry Medical College	21,405	9,226	6,608	242	0	425	1,838	113	12,179
	4 Florida A & M University	18,068	8,406	4,542	0	0	1,574	951	1,339	9,662
	5 Jackson State University	17,537	4,943	3,136	0	0	485	1,071	251	12,594
	6 Tuskegee University	16,610	7,174	4,151	0	0	299	844	1,880	9,436
	7 Tennessee State Univ	15,607	7,288	3,988	240	0	237	684	2,139	8,319
	8 NC Ag & Tech State Univ	15,320	9,711	6,078	0	0	225	475	2,933	5,609
	9 Prairie View A & M Univ	14,093	6,528	3,296	200	0	101	276	2,655	7,565
	10 Morehouse School of Med	13,171	6,537	4,911	0	0	542	1,084	0	6,634
	Total 1st 10 institutions	342,295	86,006	54,330	682	85	5,352	11,345	14,212	256,289
	11 Grambling State Univ	12,646	941	557	0	0	111	220	53	11,705
	12 Alabama A & M University	12,449	7,920	4,702	0	0	442	649	2,127	4,529
	13 Texas Southern Univ	11,912	2,857	1,795	0	0	288	642	132	9,055
	14 Clark Atlanta University	11,884	8,074	7,947	0	0	127	0	0	3,810
	15 Hampton University	11,808	6,541	5,094	0	34	755	500	158	5,267
	16 South Carolina St College	10,386	3,790	1,536	0	20	270	150	1,814	6,596
	17 Virginia State University	10,172	4,824	2,205	0	0	155	199	2,265	5,348
	18 Univ of Ark Pine Bluff	9,879	3,838	1,345	0	0	597	410	1,486	6,041
	19 Alcorn State University	9,847	3,364	1,463	0	0	151	153	1,597	6,483
	20 Xavier University of LA	9,200	2,407	1,546	0	0	345	516	0	6,793
	Total 1st 20 institutions	452,478	130,562	82,520	682	139	8,593	14,784	23,844	321,916
	21 Norfolk State University	8,590	691	205	0	0	249	237	0	7,899
	22 Fort Valley State College	8,181	3,895	2,014	0	0	259	0	1,622	4,286
	23 Kentucky State University	7,867	4,973	2,397	0	0	279	138	2,159	2,894
	24 Alabama State University	7,317	460	0	0	0	168	292	0	6,857
	25 Lincoln University (MO)	6,758	4,281	1,902	0	0	280	213	1,886	2,477
	26 Morgan State University	6,439	1,352	1,041	0	0	311	0	0	5,087
	27 Langston University	6,411	2,805	1,197	0	33	101	0	1,474	3,606
	28 U of MD Eastern Shore	6,178	3,440	1,886	0	0	275	0	1,279	2,738
	29 Miss Valley State Univ	6,156	618	10	0	0	608	0	0	5,538
	30 Bethune Cookman College	5,817	685	5	0	28	94	558	0	5,132
	Total 1st 30 institutions	522,192	153,762	93,177	682	200	11,217	16,222	32,264	368,430
	31 North Carolina Cntrl Univ	5,779	928	395	0	0	371	162	0	4,851
	32 Morehouse College	5,414	1,242	391	0	0	0	851	0	4,172
	33 Benedict College	5,327	756	41	0	0	151	564	0	4,571
	34 University of D C	4,997	3,037	1,294	0	0	265	387	1,091	1,960
	35 Coppin State College	4,881	340	25	0	0	0	258	57	4,541
	36 St Augustines College	4,809	62	0	0	29	33	0	0	4,747
	37 Fayetteville State Univ	4,790	277	0	0	0	0	277	0	4,513
	38 Delaware State College	4,522	1,807	545	0	0	250	442	570	2,715
	39 Shaw University	4,394	168	20	0	0	80	68	0	4,226
	40 Florida Memorial College	4,378	80	0	0	0	0	80	0	4,298
	Total 1st 40 institutions	571,483	162,459	95,888	682	229	12,367	19,311	33,982	409,024
	41 Morris Brown College	4,345	188	172	0	16	0	0	0	4,157
	42 Albany State College	4,269	467	39	0	0	129	299	0	3,802
	43 Winston-Salem State Univ	4,133	841	0	0	0	81	760	0	3,292
	44 Dillard University	4,130	96	10	0	0	86	0	0	4,034
	45 Wilberforce University	4,001	24	10	0	0	14	0	0	3,977
	46 Lincoln University (PA)	3,983	1,367	661	0	0	534	172	0	2,616
	47 Spelman College	3,872	1,271	255	0	0	895	121	0	2,601
	48 Coahoma Community College	3,796	120	0	0	0	30	0	90	3,676
	49 Knoxville College	3,730	0	0	0	0	0	0	0	3,730
	50 Tougaloo College	3,721	509	0	0	0	260	249	0	3,212
	Total 1st 50 institutions	611,463	167,342	97,035	682	245	14,396	20,912	34,072	444,121

See explanatory material, if any, and SOURCE, at end of table.

Table C-19. Federal obligations to historically black colleges,
ranked in descending order of total amount received, by type of activity: fiscal year 1990

[Dollars in thousands]

Page 2 of 2

Rank	Institution (ranked by total Federal obligations)	Total, all activi- ties	Academic science and engineering						Non- science and engi- neering	
			Total academic science and engi- neering	Research and develop- ment	R&D plant 1/	Facilities for instruc- tion in science and eng.	Fellow- ships, trainee- ships, and training grants	General support science and engi- neering		Other science and engi- neering
51	Elizabeth City State Univ	3,644	140	88	0	0	3	49	0	3,504
52	Savannah State College	3,618	196	86	0	0	91	0	19	3,422
53	Le Moyne-Owen College	3,617	270	270	0	0	0	0	0	3,347
54	Rust College	3,600	414	12	0	0	0	402	0	3,186
55	Johnson C Smith Univ	3,449	377	7	0	14	0	356	0	3,072
56	U of the Virgin Islands	3,299	2,058	1,053	0	0	0	230	775	1,241
57	Stillman College	3,105	287	0	0	0	114	173	0	2,818
58	Claflin College	3,092	195	195	0	0	0	0	0	2,897
59	Fisk University	3,076	967	707	0	0	22	238	0	2,109
60	Virginia Union University	2,890	57	0	0	0	0	0	57	2,833
Total 1st 60 institutions		644,853	172,303	99,453	682	259	14,626	22,360	34,923	472,550
61	Voorhees College	2,732	14	14	0	0	0	0	0	2,718
62	Talladega College	2,722	333	0	0	39	197	97	0	2,389
63	Bowie State University	2,662	224	155	0	0	69	0	0	2,438
64	Lane College	2,630	238	0	0	0	121	117	0	2,392
65	Bluesfield State College	2,571	50	50	0	0	0	0	0	2,521
66	Morris College	2,563	0	0	0	0	0	0	0	2,563
67	Oakwood College	2,358	180	0	0	0	180	0	0	2,178
68	Mary Holmes College	2,335	0	0	0	0	0	0	0	2,335
69	Huston-Tillotson College	2,312	0	0	0	0	0	0	0	2,312
70	Paine College	2,269	0	0	0	0	0	0	0	2,269
Total 1st 70 institutions		670,007	173,342	99,672	682	298	15,193	22,574	34,923	496,665
71	Lawson State Cmty College	2,249	0	0	0	0	0	0	0	2,249
72	Bishop St Comm Col	2,177	0	0	0	0	0	0	0	2,177
73	Edward Waters College	2,120	0	0	0	0	0	0	0	2,120
74	Philander Smith College	2,068	128	0	0	0	0	128	0	1,940
75	Miles College	1,984	0	0	0	0	0	0	0	1,984
76	Bennett College (NC)	1,944	485	106	0	0	163	216	0	1,459
77	Paul Quinn College	1,920	25	25	0	0	0	0	0	1,895
78	Wiley College	1,893	113	113	0	0	0	0	0	1,780
79	Texas College	1,874	0	0	0	0	0	0	0	1,874
80	Jarvis Christian College	1,803	125	125	0	0	0	0	0	1,678
Total 1st 80 institutions		690,039	174,218	100,041	682	298	15,356	22,918	34,923	515,821
81	Selma University	1,657	814	140	0	0	0	674	0	843
82	Livingstone College	1,551	0	0	0	0	0	0	0	1,551
83	Trenholm St Tech Col	1,442	45	0	0	0	0	45	0	1,397
84	St Paul's Col (VA)	1,335	0	0	0	0	0	0	0	1,335
85	Carver State Tech College	1,271	0	0	0	0	0	0	0	1,271
86	Concordia College	1,254	0	0	0	0	0	0	0	1,254
87	Barber-Scotia College	1,066	0	0	0	0	0	0	0	1,066
88	Arkansas Baptist College	812	0	0	0	0	0	0	0	812
89	Southwestn Christian Col	775	0	0	0	0	0	0	0	775
90	J F Drake St Tech	738	0	0	0	0	0	0	0	738
Total 1st 90 institutions		701,940	175,077	100,181	682	298	15,356	23,637	34,923	526,863
91	C A Fredd State Tech Coll	718	16	0	0	0	0	16	0	702
92	Central State University	672	672	605	0	0	67	0	0	0
93	Allan University	650	0	0	0	0	0	0	0	650
94	Shorter College	527	0	0	0	0	0	0	0	527
95	West Virginia State Col	251	251	242	0	0	9	0	0	0
96	Clinton Junior College	86	0	0	0	0	0	0	0	86
97	Interdenomina Theol Ctr	75	0	0	0	0	0	0	0	75
98	Prentiss Norm & Ind Inst	41	0	0	0	0	0	0	0	41
Total 1st 98 institutions		704,960	176,016	101,028	682	298	15,432	23,653	34,923	528,944

1/ See Technical Notes, Scope of Survey.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990

Table C-20. Federal obligations to historically black colleges,
ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

Page 1 of 2

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	704,960	66,422	652	10,121	516,369	9,591	1,161	68,129	1,142	13,184	16,878	1,311
1	Howard University	186,575	110	53	912	170,125	128	122	8,213	0	1,275	5,438	199
2	Southern U & AM College	23,909	3,894	0	102	18,134	100	0	1,130	50	309	190	0
3	Meharry Medical College	21,405	0	0	598	3,808	155	203	15,136	0	0	1,505	0
4	Florida A & M University	18,068	3,157	100	735	9,229	16	0	2,647	0	993	1,029	162
5	Jackson State University	17,537	0	0	271	12,282	1,811	22	1,583	521	267	635	145
6	Tuskegee University	16,610	3,815	0	693	6,963	184	0	4,103	0	452	400	0
7	Tennessee State Univ	15,607	4,504	0	50	8,223	14	0	2,247	0	398	171	0
8	NC Ag & Tech State Univ	15,320	5,011	0	1,056	5,608	77	75	699	0	2,090	554	150
9	Prairie View A & M Univ	14,093	5,285	0	20	7,301	515	0	540	0	331	101	0
10	Morehouse School of Med	13,171	0	0	0	5,218	0	289	7,614	0	0	50	0
	Total 1st 10 institutions	342,295	25,776	153	4,437	246,891	3,000	711	43,912	571	6,115	10,073	656
11	Grambling State Univ	12,646	0	0	199	11,676	0	0	594	40	0	137	0
12	Alabama A & M University	12,449	3,854	0	458	5,255	215	33	357	0	1,008	1,269	0
13	Texas Southern Univ	11,912	0	0	0	9,134	20	3	2,238	0	483	29	5
14	Clark Atlanta University	11,884	0	80	1,600	3,629	4,424	0	192	0	302	1,657	0
15	Hampton University	11,808	0	100	1,199	4,949	396	28	1,587	0	2,321	1,225	3
16	South Carolina St College	10,386	3,307	0	100	6,596	65	0	150	0	11	157	0
17	Virginia State University	10,172	3,962	0	95	5,238	354	0	335	0	188	0	0
18	Univ of Ark Pine Bluff	9,879	3,192	0	90	6,017	0	6	553	21	0	0	0
19	Alcorn State University	9,847	3,211	0	0	6,483	0	0	153	0	0	0	0
20	Xavier University of LA	9,200	0	100	353	5,212	0	77	3,458	0	0	0	0
	Total 1st 20 institutions	452,478	43,302	433	8,531	311,080	8,474	858	53,529	632	10,428	14,547	664
21	Norfolk State University	8,590	0	0	0	7,827	58	0	558	0	147	0	0
22	Fort Valley State College	8,181	3,677	0	0	4,249	203	0	52	0	0	0	0
23	Kentucky State University	7,867	4,623	0	0	2,853	0	4	138	0	0	249	0
24	Alabama State University	7,317	0	0	0	6,857	0	0	460	0	0	0	0
25	Lincoln University (MO)	6,758	3,942	0	0	2,474	0	0	313	29	0	0	0
26	Morgan State University	6,439	0	0	0	5,087	130	0	195	0	502	401	124
27	Langston University	6,411	2,758	0	0	3,407	0	0	114	14	0	33	85
28	U of MD Eastern Shore	6,178	2,999	0	0	2,738	130	0	0	0	0	311	0
29	Miss Valley State Univ	6,156	598	100	0	5,438	0	10	0	0	10	0	0
30	Bethune Cookman College	5,817	0	0	0	4,996	0	0	787	1	0	33	0
	Total 1st 30 institutions	522,192	61,899	533	8,531	357,006	8,995	872	56,146	676	11,087	15,574	873
31	North Carolina Cntrl Univ	5,779	0	0	357	4,883	0	38	501	0	0	0	0
32	Morehouse College	5,414	0	0	169	3,701	0	0	1,435	0	0	0	109
33	Benedict College	5,327	0	100	0	4,243	0	0	874	0	0	16	94
34	University of D C	4,997	1,502	0	167	1,914	0	20	668	112	294	320	0
35	Coppin State College	4,881	0	0	0	4,160	0	0	721	0	0	0	0
36	St Augustines College	4,809	0	0	0	4,747	0	0	30	3	0	29	0
37	Fayetteville State Univ	4,790	0	0	0	4,494	0	0	296	0	0	0	0
38	Delaware State College	4,522	1,229	0	0	2,726	0	3	564	0	0	0	0
39	Shaw University	4,394	20	0	0	4,163	0	80	131	0	0	0	0
40	Florida Memorial College	4,378	0	0	0	4,378	0	0	0	0	0	0	0
	Total 1st 40 institutions	571,483	64,650	633	9,224	396,415	8,995	1,013	61,366	791	11,381	15,939	1,076
41	Morris Brown College	4,345	0	0	54	4,069	14	0	192	0	0	16	0
42	Albany State College	4,269	0	0	0	3,888	0	0	342	0	0	39	0
43	Winston-Salem State Univ	4,133	0	0	0	3,398	81	0	654	0	0	0	0
44	Dillard University	4,130	10	0	0	4,034	0	14	72	0	0	0	0
45	Wilberforce University	4,001	10	0	0	3,977	0	14	0	0	0	0	0
46	Lincoln University (PA)	3,983	17	0	395	2,620	84	108	629	0	90	40	0
47	Spelman College	3,872	0	0	62	2,478	0	0	308	43	831	150	0
48	Coahoma Community College	3,796	0	0	0	3,766	30	0	0	0	0	0	0
49	Knoxville College	3,730	0	0	0	3,730	0	0	0	0	0	0	0
50	Tougaloo College	3,721	0	0	0	3,030	0	0	691	0	0	0	0
	Total 1st 50 institutions	611,463	64,687	633	9,735	431,405	9,204	1,149	64,254	834	12,302	16,184	1,076

See explanatory material, if any, and SOURCE, at end of table.

Table C-20. Federal obligations to historically black colleges,
ranked in descending order of total amount received, by agency: fiscal year 1990

[Dollars in thousands]

Page 2 of 2

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Elizabeth City State Univ	3,644	0	0	0	3,553	0	3	0	0	0	88	0
52	Savannah State College	3,618	0	19	0	3,454	86	0	59	0	0	0	0
53	Le Moyne-Owen College	3,617	0	0	0	3,303	0	0	94	0	0	220	0
54	Rust College	3,600	12	0	0	3,303	0	0	285	0	0	0	0
55	Johnson C Smith Univ	3,449	7	0	0	3,072	0	0	356	0	0	14	0
56	U of the Virgin Islands	3,299	1,692	0	0	1,146	0	0	325	104	0	32	0
57	Stillman College	3,105	0	0	0	2,818	0	0	287	0	0	0	0
58	Clefflin College	3,092	0	0	0	2,897	146	0	49	0	0	0	0
59	Fisk University	3,076	0	0	0	2,824	0	0	238	0	513	66	235
60	Virginia Union University	2,890	0	0	0	2,090	0	0	0	0	0	0	0
Total 1st 60 institutions		644,853	66,398	652	9,735	459,865	9,436	1,152	65,947	938	12,815	16,604	1,311
61	Voorhees College	2,732	0	0	0	2,710	14	0	0	0	0	0	0
62	Talladega College	2,722	0	0	0	2,346	0	0	337	0	0	39	0
63	Bowie State University	2,662	0	0	35	2,438	0	0	3	0	136	50	0
64	Lane College	2,630	0	0	0	2,440	0	0	190	0	0	0	0
65	Bluefield State College	2,571	0	0	0	2,521	0	0	0	50	0	0	0
66	Morris College	2,563	0	0	0	2,563	0	0	0	0	0	0	0
67	Oakwood College	2,358	0	0	0	2,178	0	0	180	0	0	0	0
68	Mary Holmes College	2,335	0	0	0	2,335	0	0	0	0	0	0	0
69	Huston-Tillotson College	2,312	0	0	0	2,312	0	0	0	0	0	0	0
70	Paine College	2,269	0	0	0	2,269	0	0	0	0	0	0	0
Total 1st 70 institutions		670,007	66,398	652	9,770	483,985	9,450	1,152	66,657	988	12,951	16,693	1,311
71	Lawson State Cmty College	2,249	0	0	0	2,249	0	0	0	0	0	0	0
72	Bishop St Comm Col	2,177	0	0	0	2,034	0	0	143	0	0	0	0
73	Edward Waters College	2,120	0	0	0	2,100	0	0	20	0	0	0	0
74	Philander Smith College	2,068	0	0	0	1,940	0	0	128	0	0	0	0
75	Miles College	1,984	0	0	0	1,984	0	0	0	0	0	0	0
76	Bennett College (NC)	1,944	0	0	0	1,404	14	0	526	0	0	0	0
77	Paul Quinn College	1,920	0	0	0	1,895	0	0	25	0	0	0	0
78	Wiley College	1,893	0	0	0	1,732	0	0	48	0	0	113	0
79	Texas College	1,874	0	0	0	1,874	0	0	0	0	0	0	0
80	Jarvis Christian College	1,803	0	0	50	1,678	0	0	75	0	0	0	0
Total 1st 80 institutions		690,039	66,398	652	9,820	502,875	9,464	1,152	67,622	988	12,951	16,806	1,311
81	Selma University	1,657	24	0	0	1,153	116	0	364	0	0	0	0
82	Livingstone College	1,551	0	0	0	1,551	0	0	0	0	0	0	0
83	Trenholm St Tech Col	1,442	0	0	0	1,442	0	0	0	0	0	0	0
84	St Paul's Col (VA)	1,335	0	0	0	1,335	0	0	0	0	0	0	0
85	Carver State Tech College	1,271	0	0	0	1,271	0	0	0	0	0	0	0
86	Concordia College	1,254	0	0	0	1,254	0	0	0	0	0	0	0
87	Barber-Scottia College	1,066	0	0	0	1,066	0	0	0	0	0	0	0
88	Arkansas Baptist College	812	0	0	0	812	0	0	0	0	0	0	0
89	Southwestn Christian Col	775	0	0	0	775	0	0	0	0	0	0	0
90	J F Drake St Tech	738	0	0	0	738	0	0	0	0	0	0	0
Total 1st 90 institutions		701,940	66,422	652	9,820	514,272	9,580	1,152	67,906	988	12,951	16,806	1,311
91	C A Fredd State Tech Coll	718	0	0	0	718	0	0	0	0	0	0	0
92	Central State University	672	0	0	301	0	11	0	143	0	145	72	0
93	Allan University	650	0	0	0	650	0	0	0	0	0	0	0
94	Shorter College	527	0	0	0	527	0	0	0	0	0	0	0
95	West Virginia State Col	251	0	0	0	0	0	9	0	154	88	0	0
96	Clinton Junior College	86	0	0	0	86	0	0	0	0	0	0	0
97	Interdenomina Theol Ctr	75	0	0	0	75	0	0	0	0	0	0	0
98	Prentiss Norm & Ind Inst	41	0	0	0	41	0	0	0	0	0	0	0
Total 1st 98 institutions		704,960	66,422	652	10,121	516,369	9,591	1,161	68,129	1,142	13,104	16,878	1,311

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990

Table C-21. Federal obligations to systems of universities and colleges,
by agency: fiscal year 1990 1/

[Dollars in thousands]

Page 1 of 2

Systems of universities and colleges (ranked by total Federal obligations)	Rank	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Total, all systems		4,897,764	316,625	50,743	357,686	1,253,366	212,096	38,299	1,811,472	31,073	219,592	560,508	46,304
University of California System	1	986,885	25,374	4,549	70,360	78,756	51,187	2,332	554,545	8,456	46,844	137,906	6,576
University of Texas System ..	2	356,608	222	211	56,065	42,861	16,571	1,082	200,408	1,009	10,941	24,009	3,229
University of Wisconsin System	3	269,713	17,269	2,465	7,715	73,349	17,126	1,630	97,985	466	12,632	36,692	2,384
University of North Carolina System	4	254,920	27,891	518	12,897	59,666	2,915	5,607	110,479	643	6,732	23,197	4,375
State University of New York System	5	208,507	743	2,343	7,628	53,977	8,500	2,411	95,684	52	4,221	32,948	0
University of Illinois System State University System of Florida	6	198,806	19,984	1,602	21,470	23,698	13,600	1,483	55,515	310	4,422	54,143	2,579
Columbia University System ..	7	190,066	19,124	2,571	15,108	57,753	17,421	2,596	50,572	1,304	7,597	18,653	2,367
Utah Higher Education System ..	8	186,873	5	736	10,075	15,787	7,047	480	112,450	1,487	5,498	33,208	100
University System of Georgia	9	179,555	5,271	0	48,123	52,279	4,638	906	53,092	2,157	2,072	10,927	90
Universities & State Col of Arizona System	10	174,378	23,627	1,584	40,003	41,835	12,528	1,980	28,083	546	4,516	15,908	3,768
Oregon State Higher Education System	11	162,602	6,038	360	11,320	35,637	3,821	625	55,872	1,153	20,987	25,488	1,301
University of Maryland System California State University & Colleges System	12	153,337	13,899	2,639	8,405	36,661	13,398	1,249	52,975	2,709	2,232	18,451	719
University of Alabama System	13	150,988	11,654	3,985	14,936	19,289	8,494	1,608	50,581	409	18,151	21,119	762
Texas A&M University System .	14	137,021	598	236	4,660	90,459	2,062	414	17,104	547	7,317	13,555	69
University of Puerto Rico System	15	121,921	306	169	9,902	13,508	784	25	73,523	282	19,738	3,922	762
Louisiana State University System	16	102,583	38,615	4,468	3,647	16,853	5,854	226	9,065	340	3,674	13,669	5,972
City University of New York System	17	93,109	11,632	721	562	62,513	27	3	12,969	104	284	4,229	65
University of Hawaii System .	18	90,675	10,955	3,037	1,692	27,340	11,789	2,536	26,246	1,103	710	4,886	381
University of Missouri System	19	82,838	0	0	926	4,271	2,082	87	64,543	0	888	9,033	1,008
University of Arkansas System State Univ & Cmty Col System of Tennessee	20	69,257	7,714	6,776	4,111	11,928	1,979	0	13,546	764	6,930	12,946	2,563
University of Nebraska System Foundation Educative & Mendez System	21	64,414	16,859	88	947	15,826	1,535	143	20,053	1,342	401	7,158	62
Inter American Univ of Puerto Rico System	22	55,835	16,790	250	652	22,059	215	186	10,537	171	182	1,794	2,999
University of Houston System University of Nevada System .	23	55,383	4,509	43	314	41,687	316	395	5,422	810	473	1,319	95
State University System of Minnesota	24	53,640	15,837	387	729	14,358	322	72	14,702	221	678	3,388	2,946
University of Maine System ..	25	46,809	0	0	0	46,809	0	0	0	0	0	0	0
Montana University System ...	26	42,463	0	0	0	42,177	0	0	157	0	0	129	0
University of Alaska System .	27	36,371	30	24	2,338	12,686	1,706	230	4,513	25	12,310	2,809	0
University of New Hampshire System	28	35,632	2,684	1,553	154	9,863	3,488	6,818	4,552	1,775	291	4,365	89
Southern Illinois University System	29	33,312	0	100	0	30,936	0	0	1,870	0	0	706	0
Virginia Community Colleges System	30	32,662	5,760	2,254	228	20,110	77	1,082	976	724	109	1,298	45
Minnesota Community College System	31	32,296	6,086	100	239	14,808	51	1,073	3,417	689	447	5,275	111
Massachusetts Community College System	32	32,140	2,553	3,961	270	5,355	1,092	100	765	514	7,682	9,848	0
State System of Higher Education	33	28,434	3,452	2,663	591	5,033	785	853	2,171	256	8,385	4,162	163
Massachusetts State College System	34	28,328	691	0	780	19,888	75	0	4,689	358	159	1,688	0
University of South Texas System	35	25,246	0	0	371	24,384	0	0	0	0	15	126	350
University of South Dakota System	36	23,220	0	0	0	22,781	0	0	110	329	0	0	0
Washington State Cmty Col District 17 System	37	16,011	0	0	0	15,684	0	0	272	0	0	55	0
Metro Cmty Col Administrative Center System	38	11,350	0	0	44	10,997	0	66	105	0	0	138	0
Community College of Denver System	39	10,190	0	0	0	9,609	555	1	25	0	0	0	0
Claremont Colleges System ...	40	7,166	141	0	0	6,479	66	0	370	0	62	48	0
University of Texas System ..	41	6,596	150	0	30	5,384	0	0	773	18	26	30	185
University of Wisconsin System	42	6,243	0	0	0	6,235	0	0	0	0	0	0	8
University of California System	43	5,271	0	0	0	5,271	0	0	0	0	0	0	0
University of Michigan System	44	4,978	0	0	0	4,977	0	0	0	0	0	0	1
University of Illinois System	45	4,115	0	0	2	3,252	0	0	284	0	0	577	0

See explanatory material, if any, and SOURCE, at end of table.

Table C-21. Federal obligations to systems of universities and colleges.
by agency: fiscal year 1990 1/

(Dollars in thousands)

Page 2 of 2

Systems of universities and colleges (ranked by total Federal obligations)	Rank	Total	USDA	Com	DOO	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
State Center Junior College District System	46	3,748	0	100	0	3,648	0	0	0	0	0	0	0
Troy State University System	47	3,602	0	0	0	3,561	0	0	41	0	0	0	0
Mass County Junior College District System	48	2,936	1	0	0	2,935	0	0	0	0	0	0	0
Maricopa County Community College System	49	1,901	0	0	0	1,080	0	0	21	0	0	800	0
Foothill-Deanza Community Col District System	50	1,788	0	0	0	0	0	0	2	0	1,786	0	0
Los Angeles Community College System	51	1,745	0	0	0	1,420	0	0	325	0	0	0	0
University of Tennessee System	52	1,651	40	34	1,392	0	70	0	25	0	0	0	90
San Mateo Community College System	53	1,431	0	0	0	1,431	0	0	0	0	0	0	0
Dallas County Community College System	54	1,304	0	0	0	1,304	0	0	0	0	0	0	0
California School of Prof Psychology System	55	921	0	0	0	829	0	0	92	0	0	0	0
Western State University College of Law System	56	574	0	0	0	574	0	0	0	0	0	0	0
Becker Junior College System	57	566	0	0	0	566	0	0	0	0	0	0	0
University of Massachusetts System	58	418	112	216	0	0	0	0	0	0	0	0	90
West Valley Joint Community Col System	59	344	0	0	0	344	0	0	0	0	0	0	0
San Diego District Community Colleges System	60	335	0	0	0	335	0	0	0	0	0	0	0
Kern Community College District System	61	265	0	0	0	265	0	0	0	0	0	0	0
Paralta Community College System	62	176	0	0	0	0	0	0	176	0	0	0	0
San Jose Community College System	63	113	0	0	0	0	0	0	0	0	0	113	0
Coast Community College District System	64	93	0	0	0	0	0	0	0	0	0	93	0
Illinois Eastern Community College System	65	91	0	0	0	0	0	0	91	0	0	0	0
Indiana University Systems ..	66	6	0	0	0	6	0	0	0	0	0	0	0

1/ Includes obligations to every individual institution included within each system.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions,
Fiscal Year 1990



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